

SEVENTY-FIRST

Annual Catalogue

—OF—

COLGATE UNIVERSITY.



THE LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

1890-91⁵.

HAMILTON, N. Y.

Learning and Labor.

LIBRARY

OF THE

University of Illinois.

CLASS.

BOOK.

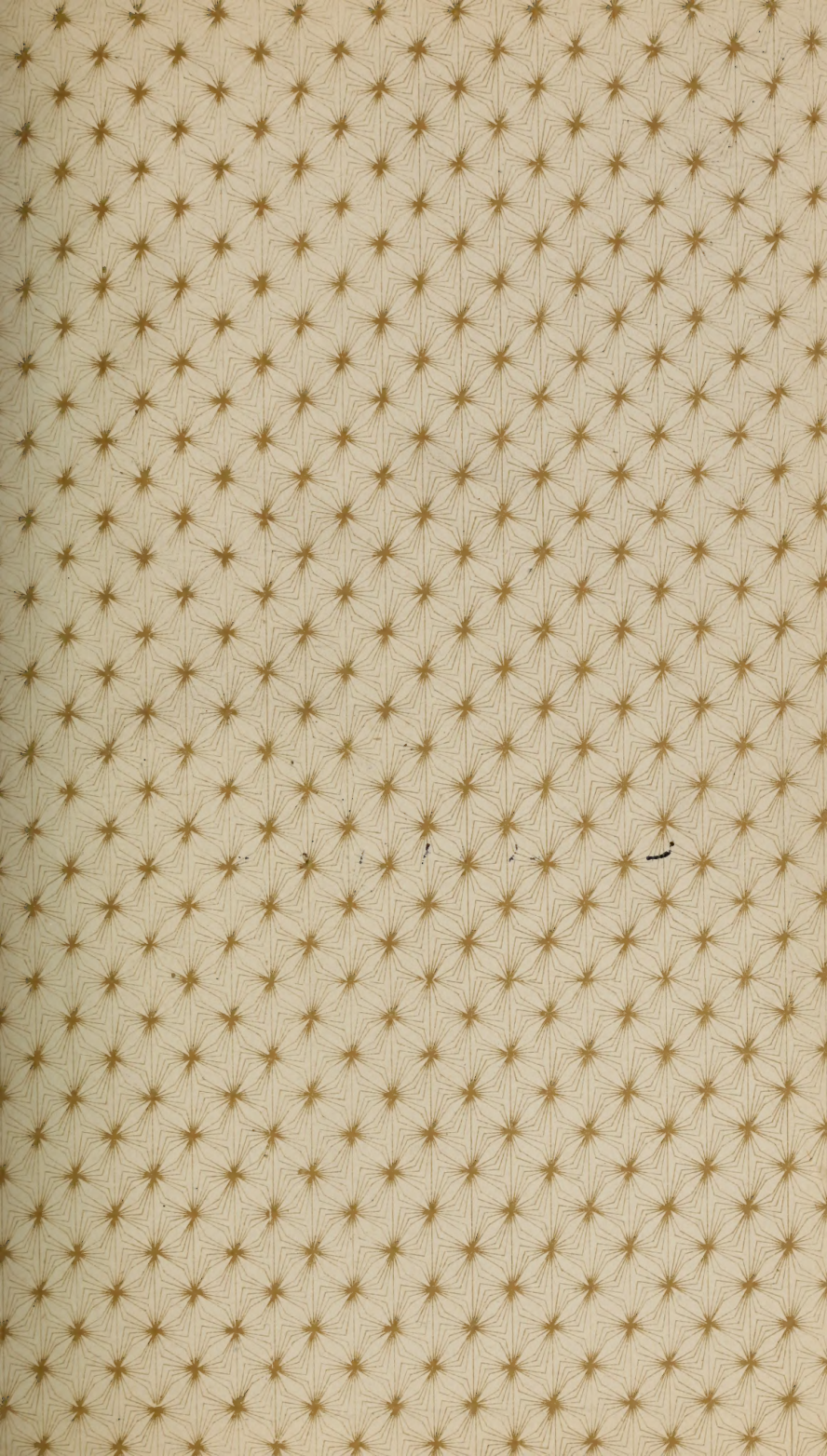
VOLUME.


C

C681H

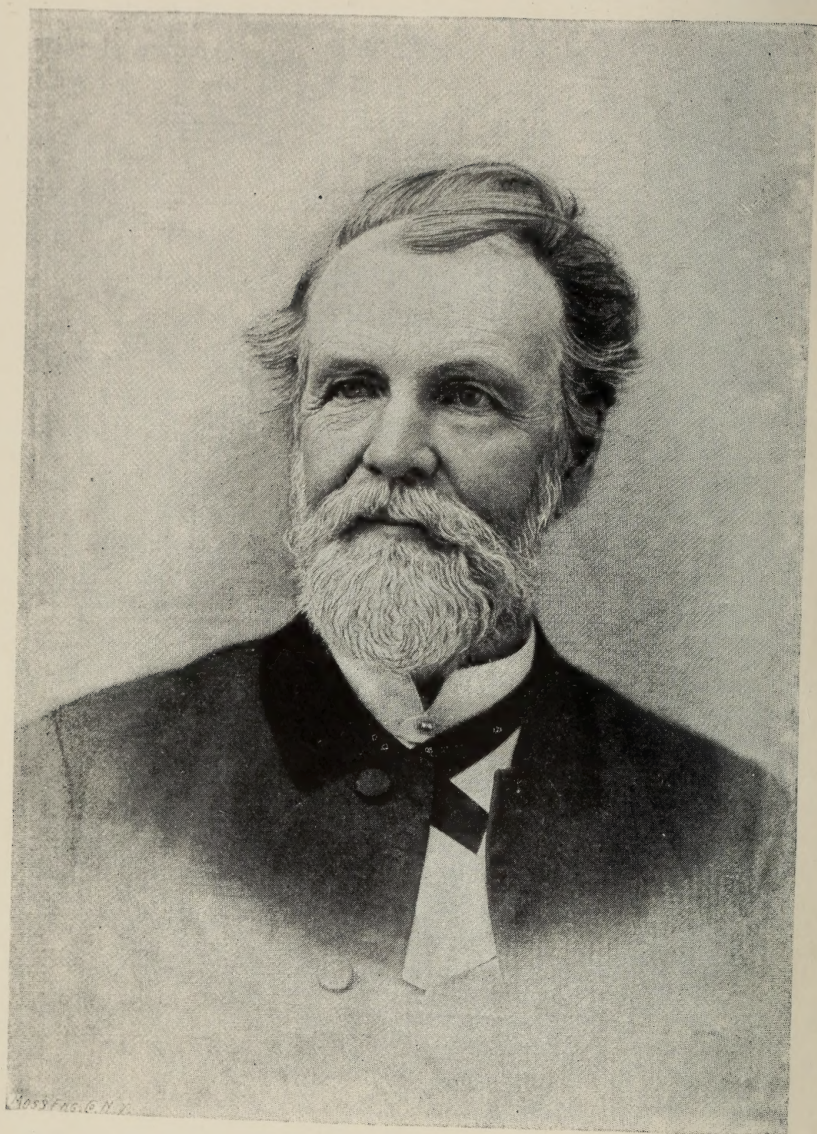
1890-95

Accession No.





Digitized by the Internet Archive
in 2012 with funding from
University of Illinois Urbana-Champaign



E. Dodge

1422
40
m

LIBRARY
UNIVERSITY OF CHICAGO

ANNUAL CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF
COLGATE UNIVERSITY,
FOR THE YEAR 1890-91.

AND
ANNOUNCEMENT
OF
COURSES OF INSTRUCTION OF THE DEPARTMENTS OF
LETTERS, SCIENCE AND PHILOSOPHY,
FOR THE YEAR 1891-92.



COLGATE UNIVERSITY,
HAMILTON, MADISON CO., N. Y.

K

YEAR 1881
STREET 1000
1000

UTICA HERALD PUBLISHING CO.
PRINT,
UTICA, N. Y.

CONTENTS.

	PAGE.
Note,	4
Errata,	4
Colgate University,	5
Corporation of the University,	9
Board of Trustees of the Baptist Education Society,	10
The Faculty of the University,	12
President E. Dodge, D. D., LL. D., Biographical Sketch,	15
Department of Letters, Science and Philosophy,	17
Faculty,	19
Organization of Departments of Instruction,	21
Requirements of Graduation,	48
Post-Graduate Studies,	61
Requirements for Matriculation,	63
Material Equipment,	68
Religious Societies,	76
Expenses and Aid,	77
Prizes,	82
Government, ..	87
Students, Undergraduate Department,	90
Theological Department,	99
Summary,	104
Commencement Exercises, 1890,	105
Degrees and Honors Conferred, 1890,	106
Alumni Association,	111
Calendar,	113
Index,	115

NOTE.

For a full Catalogue of the Theological Department, address, Rev. H. S. LOYD, D. D.,
Hamilton, N. Y.

For a Catalogue of the Colgate Academy, address, Principal JOHN GREEN, Ph D.,
Hamilton, N. Y.

ERRATA.

On page 35, line 3, for "Puci and Bertrand," read "Price, and Bertrand."

line 7, for "Aldes" read "Aldis's."

On page 36, line 31, for "Course 4," read "Course 2."

On page 53, line 30, for "*five*" read "*three*."

Colgate University,

HAMILTON, N. Y.

“Colgate University” is the new name of the Institution that from 1818 to 1846 was known as the Hamilton Literary and Theological Institution, and that since 1846 has been known as Madison University. The University is the child of the Baptist Education Society of the State of New York, and was originally founded for the sole purpose of preparing young men for the Christian ministry, being the first school established by Baptists in America, distinctively for ministerial education. The first students came early in the year 1818, but the school was not formally opened until the first of May, 1820. The course of study took form gradually, and not until 1829 was it regularly organized to cover four years. In 1832 it was extended to six years, and in 1834 two years more were added. The preparation for the ministry remained the purpose of the Institution for nearly twenty years, but in 1839 it was opened to young men who were looking to other professions.

The Education Society applied for a collegiate charter in 1840, and again in 1843, but failed in both instances because the legislature

did not believe that from its constitution it was legally competent to hold and enjoy such powers. In 1846 a third application was successful. A new corporation was formed, and full University powers and privileges were granted. The new body assumed the name of Madison University and undertook the collegiate and preparatory part of the educational work, leaving the theological department as before in the hands of the Education Society, with which it has ever since maintained friendly and helpful relations. In 1853 the Grammar School was organized, under the care of the University Board, and in 1875 this preparatory school received the name of Colgate Academy, and entered its own separate building, where it has grown to be a strong and successful institution. In 1886 the Hamilton Theological Seminary also entered a building of its own, known as Eaton Hall, and became possessed of a stronger and more independent life. The Education Society still directs the theological work, but by a compact between the two bodies the salaries of Professors in the Seminary are provided for by the treasury of the University.

There are now, therefore, three schools, the College or Department of Letters, the Academy or preparatory School and the Theological Seminary, each with its own organization and life, but united most closely in purpose and administration. The three are one in theory and in practice, while yet each is free to develop its own life and adopt special aims of its own. It is intended that when the vacant office is filled, one presidency, as in the past, shall unite the three, without interfering with their individuality. The purpose of the fathers to train young men for the Christian

ministry has never been neglected by their successors, and the presence of a Theological Seminary and of a large proportion of ministerial students in all the undergraduate departments cannot fail to give quality to the life of the place. The fathers opened the door, cautiously at first and unreservedly afterward, to young men who were not studying for the ministry, and in the administration of their successors there is equal welcome for students of all classes. The alumni of the University are found in all walks of life. Effort is constantly directed to the broadening and diversifying of the courses of study, in order that all students may find here what they need. The face of the University is turned forward, and there are abundant indications that the receiving of the new name is to mark the beginning of a new period of progress. The new name, "Colgate University," though not received till after the death of President Dodge, is really his last gift. The change was approved by the Regents of the University of the State of New York, March 13th, and by the Supreme Court, April 22d, 1890.

Corporation of the University.

JAMES B. COLGATE, PRESIDENT, New York.

ALVAN PIERCE, Hamilton.

DAVID A. MUNRO, Camillus.

HON. ALBERT R. FOX, Sand Lake.

SAMUEL COLGATE, New York.

PROF. P. B. SPEAR, D. D., Hamilton.

REV. EDWARD LATHROP, D. D., New York.

HOSMER H. KEITH, Esq., Sioux Falls, S. Dak.

PROF. ALBERT S. BICKMORE, Ph. D., New York.

JOHN C. HOYT, Esq., Utica.

LEONARD W. CRONKHITE, Sandy Hill.

EDWARD AUSTEN, Glencoe, Md.

ISAAC JOHNSON, Yonkers.

RUSSEL WHEELER, Utica.

THOMSON KINGSFORD, Oswego.

ISAAC E. GATES, A. M., Orange, N. J.

REV. WILLIAM N. CLARKE, D. D., SECRETARY, Hamilton.

LEWIS E. GURLEY, Troy.

FRANCIS T. PIERCE, Hamilton.

DANIEL W. SKINNER, A. M., Hamilton.

GEORGE A. WOOLVERTON, Albany.

JOHN THORN, Utica.

JAMES C. COLGATE, A. M., New York.

GEORGE L. STEDMAN, Esq., Albany.

WILLIAM R. ROWLANDS, TREASURER, Hamilton.

Provisional Committee.

JAMES C. COLGATE, *Chairman.*

WILLIAM N. CLARKE, D. D., *Secretary.*

JOHN C. HOYT,

FRANCIS T. PIERCE,

DANIEL W. SKINNER.

BOARD OF TRUSTEES
OF THE
Baptist Education Society
Of the State of New York.

SAMUEL COLGATE, PRESIDENT, New York.

SAMUEL T. HILLMAN, Esq., *First Vice-President*, New York.

REV. HENRY A. CORDO, D. D., Cortland, *Recording Secretary*.

REV. HINTON S. LOYD, D. D., *Cor. Sec. and Acting Treas.*, Hamilton.

Directors until June, 1891.

JAMES B. COLGATE, New York.

BENJAMIN F. BONNEY, Hamilton.

WILLIAM H. MONTGOMERY, Rochester.

LEONARD RICHARDSON, Brooklyn.

REV. HENRY A. CORDO, D. D., Cortland.

REV. WILLIAM R. WRIGHT, Fort Ann.

REV. NATHAN E. WOOD, D. D., Brooklyn.

JOHN S. MUNRO, Camillus.

REV. ARTHUR JONES, Newburgh.

ELISHA B. GASKELL, Hamilton.

Directors until June, 1892.

REV. JOHN HUMPHSTONE, D. D., Brooklyn.

REV. LUCIUS M. S. HAYNES, D. D., Troy.

CHARLES R. PAYNE, Hamilton.

GEORGE A. WOOLVERTON, Albany.

ALFRED S. HUBBELL, Buffalo.

REV. ALBERT P. BRIGHAM, Utica.

JABEZ A. BOSTWICK, New York.

REV. ABRAHAM C. OSBORN, D. D., Albion.

RICHARD M. COLGATE, North Orange, N. J.

REV. ALVAH S. HOBART, D. D., Yonkers.

Directors until June, 1893.

ALVAH PIERCE, Hamilton.

REV. JOHN J. BROUNER, New York.

HON. DANIEL M. HOLMES, Norwich.

REV. WILLIAM T. HENRY, D. D., Elmira.

REV. GEORGE H. BRIGHAM, Cortland.

WARREN J. BUELL, Hamilton.

L. H. BIGLOW, New York.

REV. A. M. PRENTICE, West Troy.

REV. HENRY M. KING, D. D., Albany.

SYLVESTER BURCHARD, Hamilton.

Executive Committee.

SAMUEL COLGATE,

E. B. GASKELL,

ALVAH PIERCE,

W. J. BUELL,

W. N. CLARKE,

B. F. BONNEY,

S. BURCHARD,

C. R. PAYNE,

H. S. LOYD.

The Faculty of the University.

The names of officers, with the exception of the President, are arranged in the order of seniority of appointment.

*President, and Bleecker Professor of Intellectual and Moral
Philosophy.*

PHILETUS B. SPEAR, D. D.,
Professor Emeritus of Hebrew and Latin.

ALEXANDER M. BEEBEE, D. D.,
Professor of Homiletics and Logic.

LUCIEN M. OSBORN, LL. D.,
Professor of the Physical Sciences.

N. LLOYD ANDREWS, PH. D., LL. D.,
*Professor of the Greek Language and Literature, and Dean
of the College Faculty.*

JAMES M. TAYLOR, A. M.,
Professor of Mathematics.

H. HARVEY, D. D.,
Professor of New Testament Exegesis and Pastoral Theology.

EUGENE P. SISSON, A. M.,
*Assistant Principal of Colgate Academy, and Instructor in
Mathematics.*

WILLIAM HALE MAYNARD, D. D.,

Professor of Ecclesiastical History and Political Economy.

SYLVESTER BURNHAM, D. D.,

Professor of the Semitic Languages, Old Testament Interpretation, Biblical Literature, and Acting Librarian.

JOSEPH F. MCGREGORY, A. M.,

Professor of Chemistry and Mineralogy.

BENJAMIN S. TERRY, A. M.,

Professor of Civil History and English.

WILLIAM H. CRAWSHAW, A. M.,

Associate Professor of English.

WILLIAM C. EATON, PH. D.,

Passed Assistant Engineer, U. S. N.,
Professor of Engineering.

CHARLES W. SHELDON, A. M.,

Instructor in Greek and German.

AARON H. COLE, A. M.,

Lecturer in Biology and Geology.

NATHANIEL SCHMIDT, A. M.,

Associate Professor of Semitic Languages.

JOHN GREENE, PH. D.,

Principal of Colgate Academy, and Instructor in History.

FRANK A. GALLUP, A. B.,

Instructor in Latin and French.

FREDERICK W. COLEGROVE, A. M.,
Professor of the Latin Language and Literature.

WILLIAM F. LANGWORTHY, A. M.,
Instructor in Natural Sciences.

GEORGE S. MILLS, A. B.,
Instructor in English and Elocution.

WILLIAM N. CLARKE, D. D.,
J. J. Joslin Professor of Christian Theology.

ROBERT W. MOORE, PH. B.,
Instructor in Modern Languages.

EDWARD ELLERY, A. B.,
Instructor in Chemistry.

Librarian.

ALEXANDER WINCHELL, LL. D.,
Department of Geology and Paleontology, Michigan University,
Brooks Lecturer on the Relations of Religion and Science.

President E. Dodge, D. D., LL. D.

The vacancy in the Presidency of the University was occasioned by the death, on January 5th, 1890, of Ebenezer Dodge, D. D., LL. D., whose name has appeared in all catalogues since 1854, and whose portrait adorns the present one. Dr. Dodge was born in Salem, Mass., April 22d, 1819, and was graduated from Brown University in 1840, and from Newton Theological Institution in 1845. After a brief service in teaching, and two pastorates at New Hampton and New London, in New Hampshire, he came to Madison University in 1853, as Professor of Biblical Criticism and Interpretation in the Theological Seminary, and of the Evidences of Revealed Religion in the College. In 1861 he was transferred to the Professorship of Christian Theology, and in 1868 he was elected President of the University. Retaining his position in the Seminary, he held the presidential office until his death, a period of more than twenty-one years.

To his commanding ability and faithful service the University owes more than any record can worthily acknowledge. His administration covered the period of largest expansion in the history of the University, and he was the very man, by constitution, temperament, education and consecrated purpose, to do the work of the time. Ample in native endowments, large in the sweep of his

mind, rich in the fruits of study, strong in will, patient and fatherly in government, wise and impressive in utterance, warm in piety, great in personality, lofty and progressive in thought, he lived a life of daily usefulness, helped the development of the University that he was called to guide, and left the strong impress of his reverent and manly thought upon his pupils. He shrank from publicity, and did not care for praise, but all who knew him bear witness to the value of his work and the preciousness of his influence, and know that the world is far richer for his life.

DEPARTMENT OF
LETTERS, SCIENCE,
AND
PHILOSOPHY.

FACULTY.

*President, and Bleecker Professor of Intellectual and Moral
Philosophy.*

PHILETUS B. SPEAR, D. D.,
Professor Emeritus of Hebrew and Latin.

ALEXANDER M. BEEBEE, D. D.,
Professor of Logic.

LUCIEN M. OSBORN, LL. D.,
Professor of the Physical Sciences.

N. LLOYD ANDREWS, PH. D., LL. D.,
*Professor of the Greek Language and Literature, and Dean
of the Faculty.*

JAMES M. TAYLOR, A. M.,
Professor of Mathematics.

WILLIAM HALE MAYNARD, D. D.,
Professor of Political Economy.

SYLVESTER BURNHAM, D. D.,
*Professor of the Semitic Languages and Biblical Literature,
and Acting Librarian.*

JOSEPH F. MCGREGORY, A. M.,
Professor of Chemistry and Mineralogy.

BENJAMIN S. TERRY, A. M.,

Professor of Civil History and English.

WILLIAM H. CRAWSHAW, A. M.,

Associate Professor of English.

WILLIAM C. EATON, PH. D.,

Passed Assistant Engineer, U. S. N.,

Professor of Engineering.

AARON H. COLE, A. M.,

Lecturer in Biology and Geology, and Curator of the Museum.

NATHANIEL SCHMIDT, A. M.,

Associate Professor of Semitic Languages.

FREDERICK W. COLEGROVE, A. M.,

Professor of the Latin Language and Literature.

ROBERT W. MOORE, PH. B.,

Instructor in Modern Languages.

EDWARD ELLERY, A. B.,

Instructor in Chemistry.

Librarian.

ORGANIZATION.

THE METHODS AND COURSES OF INSTRUCTION IN THE SEVERAL DEPARTMENTS.

The organization of the University has been a gradual growth. Beginning in 1818 with one student and one instructor, the work of the institution has been steadily extended until at the present time there are fifteen distinctively organized departments, giving instruction in Philosophy, History and Political Science, Social Science, Art, Language and Literature, Mathematics and the Natural Sciences. Each department is under the control of a competent officer who is alone responsible for its aims and methods, and the efficiency of its work, and while holding certain definite and organic relations to the whole body of instruction, is left independent to seek development in the constant improvement of methods, the enlargement of scope and the addition of new facilities.

The following is a detailed statement of the methods and courses of instruction of the several departments, prepared by the respective officers. Unless otherwise stated each course occupies one term.

The Department of Latin.

PROFESSOR COLEGROVE.

The object of this department is to enable the student not only to read Latin with ease and rapidity but to appreciate the Latin literature and to understand the Roman life and civilization. During the early part of the course attention is given to forms, constructions and idioms. In connection with the reading of Latin historians it is designed to show the place of Rome in history and her contributions to the development of civilization. The several authors read are considered with reference to their style, thought, and relation to their own times and to general literature.

The relation of Latin to English is also kept in view, and careful and idiomatic translations are insisted upon as a means of acquiring felicity and elegance of English expression.

First Year.

1. Cicero: De Senectute and De Amicitia, or Tusculan Disputations. Scipio's Dream at sight.

M.—W., 11 A. M. *The Fall Term and four weeks of the Winter Term.*

2. Tacitus: Germania and Agricola. Livy and Nepos: Selections at sight. Roman History.

M.—W., 10 A. M. *Seven weeks of the Winter Term and the Spring Term.*

Second Year.

3. Horace: Odes, Epodes, Satires and Epistles. Review of Prosody with the Horatian meters. Roman society in the Augustan age.

M—F., 1.30 P. M., *Fall Term.*

4. Pliny: Epistles. Cicero: Epistles. Roman Law Courts. Private Life of the Romans.

M.—W., 1.30 P. M., *Winter Term.*

5. Juvenal and Persius: Selections from Satires. Roman Society under the Emperors.

M.—W., 4.30 P. M., *Spring Term.*

Third Year.

6. Plautus and Terence: Selected Plays. A study is made of the early Latin forms, the development of the Language. The Roman Drama.

W.—F., 9 A. M., *Fall Term.*

7. Quintilian: De Institutione Oratoria, Books X and XII. Cicero: Brutus, at sight. Roman Literature.

W.—F., 9 A. M., *Winter Term.*

8. Crowell's Selections from the Roman Poets. Roman Literature.

W.—F., 9 A. M., *Spring Term.*

Fourth Year.

9. Seneca: De Providentia and De Constantia Sapientis. Selections from the Epistles.

W.—F., 9 A. M., *Winter Term, given in alternate years with course 7.*

10. Teachers' Seminary: Methods of teaching preparatory and University Latin. Discussion of points of grammar, pronunciation, etc. Rapid reading of Sallust and Virgil. Latin composition.

W.—F., *Spring Term. Time of the exercise to be determined after the organization of the class.*

The Department of Greek.

PROFESSOR ANDREWS.

The ends primarily sought are intellectual discipline and literary culture. The translation of classic masterpieces is regarded as a most efficient means of developing the power of thought and of expression, and as tending most surely to the acquisition of a correct and discriminating literary sense. Greek literature is also treated as revealing the peculiar genius of an exceptionally gifted people, who made important and permanent contributions to human civilization. The critical study of their language is deemed valuable, not only for mental training, but as leading up, through a knowledge of their literature and their life, to a just appreciation of the real significance of ancient Greece to the world.

There are six prescribed courses of instruction given in the Freshman and Sophomore years. Three elective courses are open either to Juniors or to Seniors, and as the subjects offered are not the same in any two successive

years, the study of Greek may be pursued, if desired, in every college term. The seminary method will be employed in elective courses, whenever it is most advantageous. Lectures upon Greek art are offered to Seniors.

First Year.

1. EPIC AND LYRIC POETRY. The *Odyssey* is taken up, or the later books of the *Iliad*. Special attention is given to the place of the Homeric Poems in literature, to the characteristics of the heroic age, and to certain phases of Greek mythology. The work in Homer is followed by selections from the Lyric Poets, regarded as marking a transitional stage in the development of the language, and as illustrating the beginnings of a more subjective, reflective tendency in the Greek mind.

M.—W., 10 A. M., *Fall Term*.

2. HERODOTUS AND THUCYDIDES. Portions of these authors are read, with notice in the former of peculiarities of dialect, and in the latter of distinguishing features of style, while the mode of historical treatment in each is especially considered. Occasion is taken to give to the class as clear an outline as possible of the history of the Greeks down to the age of Pericles, with a view of encouraging more extended study.

M.—W., 9 A. M., *Winter Term*.

3. SOCRATES AND HIS AGE. The reading of Plato's *Apology* of Socrates, or parts of Xenophon's *Memorabilia*, serves for the study of Greek Life in the fifth century before Christ, and of the great personality that was so prominent a figure of the period. Regard is had both to the varied elements in the character of the people, and to the ethical side of Socrates' teachings.

M.—W., 9 A. M., *Spring Term*.

Second Year.

4. THE ORATORS. Demosthenes is studied, either in his *Oration on the Crown*, or in his *Olynthiacs* and *Philippics*. Attention is paid to the principles of oratory illustrated, to the governmental and social conditions favorable to eloquence, and to the distinctive qualities in the leading orators. Illustrative passages from various orators will be given by the Professor, or will be assigned for special readings. Methods of legal procedure are considered, the diverse political institutions of the Greek states, and the general course of their later history.

M.—W., 9 A. M., *Fall Term*.

5. THE TRAGEDIANS. Selected tragedies of Aeschylus, Sophocles, and Euripides are read, and prelections from other plays are given, in order to secure as large acquaintance as possible with the Greek tragedians. The class

prepare essays upon topics related to the study of the Greek Drama, and upon Greek literature in general. In these essays, and in the discussions of the class-room, the principal Greek authors are treated. In the reading of the dramatists, the style and ethical spirit of each is especially considered.

M.—F., 11 A. M., *Winter Term.*

6. COMEDY. Aristophanes' "Clouds" is taken up, not simply to enlarge the student's knowledge of the Greek stage, but to afford a fuller comprehension of those complex intellectual and moral movements of the times which are mirrored in the works of Aristophanes. In this course, as in that devoted to tragedy, comparisons will be indicated with the dramatic literature of the modern world. Readings from Lucian may accompany or be substituted for the work in Aristophanes.

M.—W., 11 A. M., *Spring Term.*

Third and Fourth Years.

7. PLATO. Either Plato's *Phædo* is read, or selections from his *Republic*. These works are studied in alternate years. The chief purpose is to furnish an introduction to Greek philosophy. Lectures are given upon Platonism, and essays upon the principal philosophers are assigned, with large reference to the bearing of Greek speculation upon modern thought.

W.—F., 11 A. M., *Fall Term.*

8. ARISTOTLE. Selections from his *Ethics*, read one year, are followed in the next by portions of his *Politics*. An attempt is made to show the general scope and spirit of Aristotelianism, and its influence upon mediæval philosophy. In place of readings in Aristotle, Plutarch's "De Sera Numinis Vindicta" may be studied, both for its moral significance, and as a specimen of the Common Greek.

M.—W., 10 A. M., *Winter Term.*

9. HELLENISTIC GREEK. The study of this late, but important phase of the language will be pursued by reading in alternate years selections from the Greek New Testament, and selections from the Septuagint. These will be treated on the linguistic side. Opportunity for direct acquaintance with the former is deemed important for every student of Greek, while the latter will be of service to any who contemplate theological study.

W.—F., 10 A. M., *Spring Term.*

10. MODERN GREEK. At the convenience of the officer, opportunity is also afforded to any who may desire it, for some acquaintance with Modern Greek.

Time of the exercise to be arranged on the organization of the class.

The Department of Semitic Languages.

PROFESSORS BURNHAM AND SCHMIDT.

In this department the endeavor is made to give a scientific, and yet a practical working knowledge of the languages studied. The work is arranged in nine courses, as follows:

First Year.

1. HEBREW: (1) the Etymology of the language, (2) the memorizing of a Vocabulary, and (3) practical exercises in Translation.

Professor BURNHAM, W.—F., 3.30 P. M., *Fall and Winter Terms.*

2. HEBREW: (1) the Principles of Syntax, and (2) the study of Selections from the Historical Books of the Old Testament.

Professor BURNHAM, W.—F., 3.30 P. M., *Spring Term.*

Second Year.

The work of this year can be elected only by those students who have taken the work of Courses 1 and 2. It includes—

3. HEBREW. This course consists of (1) the Principles of Hebrew Prosody and Poetry, and (2) the study of Selections from the Poetical Books of the Old Testament.

Professor BURNHAM, Tu.—F., 10 A. M., *Fall Term.*

4. BIBLICAL AND TARGUMIC ARAMAIC: (1) the Grammar with practical exercises, (2) the study of Selections from the Targums, and (3) the study of Selections from the Aramaic portions of the Old Testament.

Professor BURNHAM, Tu.—F., 10 A. M., *Winter Term.*

5. SYRIAC: (1) Syriac Grammar, with practical exercises, (2) the study of Selections from the Peshitto Old Testament, and (3) the study of Selections from Syriac Historians and Commentators.

Professor BURNHAM, Tu.—F., 10 A. M., *Spring Term.*

Third Year.

The work of this year is especially designed to form a part of a post-graduate course of study. But any member of the Senior Class, who has taken the work of Courses 1-3 in this department, will be allowed to elect the whole or any part of the work of this year, subject to the general regulations of the University relating to Courses and hours of Recitation.

6. ARABIC: (1) Arabic Grammar with practical exercises, (2) the study of Selections from the Koran and the Arabic Bible, and (3) the study of Selections from the Arabic Poets.

Professor SCHMIDT, F., 3.30 P. M., *Three Terms*.

7. ASSYRIAN: (1) Assyrian Grammar with practical exercises, (2) the study of Transliterated Texts, and (3) the study of Cuneiform Texts.

Professor SCHMIDT, Tu., 3.30 P. M., *Three Terms*.

8. ETHIOPIC: (1) Ethiopic Grammar with practical exercises, (2) the study of the Ascension of Isaiah, and (3) the study of Selections from the Book of Enoch.

Professor SCHMIDT, Th., 4.30 P. M., *Three Terms*.

9. SYRIAC: (1) the study of Selections from the Peschitto New Testament, and (2) the study of Selections in Verse.

Professor BURNHAM, W., 11 A. M., *Three Terms*.

Advanced Courses in all the Semitic languages, and a course in Comparative Semitic Philology and Grammar, will be given to those students who may desire them, and who are judged by the officer in charge to be prepared to pursue them to advantage.

The Department of English.

PROFESSOR CRAWSHAW.

The objects sought in this department are mainly three: *First*, such a general knowledge of the history of English literature as will give an adequate basis for the study of individual authors and works in their proper relations; *second*, a particular acquaintance with the most prominent authors and their periods; *third*, a scientific knowledge of the origin and development of the English language.

The following courses are offered:

First Year.

1. THE HISTORY OF ENGLISH LITERATURE. A study of the history of English literature from its beginnings to the eighteenth century. The text-books used are Brooke's "Pre-Elizabethan Period," and Saintsbury's "Elizabethan Literature." These volumes are carefully read, and are supplemented in the class-room by discussions, readings, and written reviews.

Th. and F., 9 A. M., *Fall Term*.

2. THE HISTORY OF ENGLISH LITERATURE. A study of the history of English literature from the end of the seventeenth century to the present time. The text-books are Gosse's "Literature of the Eighteenth Century," and Dowden's "Modern Period." Course 2 is a continuation of Course 1; and the method of study is the same in both.

Th. and F., 9 A. M., *Winter Term.*

3. ENGLISH PROSE. A critical study of representative prose authors, not including the novelists. Class essays and discussions, with recitation from Minto's "Manual of English Prose." During the present year special attention will be given to De Quincey, Macaulay and Carlyle.

Th. and F., 9 A. M., *Spring Term.*

Second Year.

4. ENGLISH FICTION. A critical study of representative novels, by means of essays and discussions. During the present year, special attention will be given to Scott, Dickens, Thackeray and George Eliot.

Th. and F., 11 A. M., *Fall Term.*

5. ANGLO-SAXON. Origin of the English tongue. Corson's "Hand-Book of Anglo-Saxon;" the "Anglo-Saxon Version of the Gospel of John" entire; selections from King Alfred's "Orosius," Aelfric's "Homilies," and the "Anglo-Saxon Chronicle."

M.—W., 2.30 P. M., *Fall Term.*

6. ANGLO-SAXON. Origin of the English tongue. A continuation of Course 5. Comparative English Grammar, on the basis of March and Sweet; selections from "Caedmon;" "Beowulf" entire; special study of Transition English.

M.—W., 2.30 P. M., *Winter Term.*

7. ENGLISH OF THE THIRTEENTH AND FOURTEENTH CENTURIES. The study of Layamon's "Brut;" the "Ormulum;" also Mandeville, Wiclif, and Gower. Special attention is given to Chaucer, not only in the study of the language as represented in the *Canterbury Tales*, but also to the place of Chaucer in English literature, as the first great representative of the modern period.

M.—W., 2.30 P. M., *Spring Term.*

Courses 5, 6 and 7 are continuous, and are designed to give the student such a knowledge of the origin and development of the English tongue as will enable him to carry on his studies independently of the instructor.

Third Year.

8. SHAKESPEARE AND THE ELIZABETHAN DRAMA. A critical study of leading plays of Shakespeare and his contemporaries, by the seminary method,

with a study of the growth of the drama, the influence of the times, the place of Shakespeare in literature, etc.

M.—W., 1.30 P. M., *Fall Term*.

9. WORDSWORTH AND THE ROMANTIC SCHOOL. A critical study of the poetry of Wordsworth and his contemporaries. Reading and analysis of selections, lectures, essays and discussions.

M.—W., 1.30 P. M., *Winter Term*.

10. VICTORIAN POETRY. A study of Browning, Tennyson, and their contemporaries on a plan similar to that followed in the two preceding Courses.

M.—W., 1.30 P. M., *Spring Term*.

The Department of Modern Languages.

MR. MOORE.

It is the aim of this department: *First*, to give the student a technical knowledge of the more important languages of modern Europe sufficient to read their literatures with understanding, ease and enjoyment, without translation, and to translate ordinary English prose into idiomatic German or French; *Second*, to present to the student a general idea of the literary history of each language with a detailed statement of special important epochs; *Third*, by occasional lectures illustrated by the stereopticon, to give the student some idea of the cities, customs and life of the people whose language is studied; and *Fourth*, by means of weekly exercises at the house of the instructor to give advanced classes an opportunity to acquire the art of conversation in German and French.

First Year.

1. FRENCH. Elementary course. Grammar. (Edgren). Reader (Super). Special practice in pronunciation and in memorizing short selections. Systematic drill in Grammar, with special reference to syntax, rapid reading of selections from Souvestre, Mérimée, Augier, Labiche and Victor Hugo. For more advanced work, Corneille's "Le Cid" and "Le Menteur," Racine's "Iphigénie en Aulide" and "Les Plaideurs."

This course extends through the entire year and is designed not simply as a foundation in acquiring a technical knowledge of the French language but also as an introduction to classic French literature. Accordingly during the third term of the year occasional lectures will be introduced.

Th. and F., 3.30 P. M., *Three Terms*.

Second Year.

2. GERMAN. Elementary course. Grammar. (Joynes-Meissner). Reader. (Joynes). Practice in pronunciation and in memorizing short selections, systematic drill in Grammar, with special reference to syntax. Rapid reading of modern works of fiction and history, including selections from Hauff, Heyse, Zschokke and Freitag. The latter part of the course is given to German composition (Harris) and to rapid and extended reading from such works as Schiller's "Das Lied von der Glocke," Gæthe's "Hermann and Dorothea" and Heine's "Die Harzreise."

Th.—Sat., 10 A. M., *Fall and Winter Terms.*

Th. and F., 11 A. M., and Sat., 10 A. M., *Spring Term.*

Third Year.

3. FRENCH. Molière: "Les Précieuses Ridicules," "L'Avare," "Le Tartuffe," "Le Misanthrope." Lectures on the French literature of the seventeenth century. Essays by class on topics relating to literary, social and intellectual life of France in the seventeenth century.

Th. and F., 11 A. M., *Fall Term.*

4. FRENCH. Literature of the eighteenth century. Lectures. Selections from Voltaire, Rousseau, Beaumarchais and Le Sage. Besides the works read in the class selections will be assigned for private reading upon which an examination will be held.

Th. and F., 4.30 P. M., *Winter Term.*

5. FRENCH. Literature of the nineteenth century. Lectures. Selections from Lamartine, Victor Hugo, Sainte-Beuve, Madame de Stael and Chateaubriand. Selections assigned to each member of the class for reading outside of the class-room upon which an examination will be required.

Th. and F., 10 A. M., *Spring Term.*

6. GERMAN. Lessing: "Minna von Barnhelm," "Emilia Galotti" and prose selections. Lectures on Lessing's work and influence in the regeneration of German literature. Introduction to classic German literature. Especial attention given to the drama.

M.—W., 3.30 P. M., *Fall Term.*

7. GERMAN. Schiller: "Maria Stuart," "Jungfrau von Orleans," "Wilhelm Tell." Lectures on the important works of Schiller and on the classic German literature of the latter half of the eighteenth century. Essays by the class on topics connected with the reading.

M.—W., 3.30 P. M., *Winter Term.*

8. GERMAN. Gæthe: "Götz von Berlichingen" or "Egmont," "Iphigenie auf Tauris" and "Torquato Tasso" (Thomas). The Life of Gæthe in connection with selections from "Dichtung und Wahrheit." Lectures on Gæthe's Work and Influence.

M.—W., 3.30 P. M., *Spring Term*.

Fourth Year.

9. GERMAN. German Poetry. Recitations from Buchheim's "Deutsche Lyrik" Outline of German literature from the earliest times to the eighteenth century. Lectures.

Th. and F., 2.30 P. M., Sat., 11 A. M., *Fall Term*.

10. GERMAN. Gæthe's "Faust." Essays on literary and philosophical subjects suggested by the reading. Lectures—1. Introduction to Faust. 2. On the Romantic School.

Th. and F., 2.30 P. M., Sat., 11 A. M., *Winter and Spring Terms*.

11. ITALIAN. Elementary course. The purpose of this course is to acquire facility in reading. The time will therefore be devoted largely to drill in the grammar and to rapid reading of selections from Farina, de Amicis, dall' Ongaro, Maffei, Goldoni and Pellico. The student's knowledge of Latin and French will be put to constant use.

M. and Tu., 4.30 P. M., *Fall and Winter Terms*.

12. ITALIAN. Tasso: "Gerusalemme Liberata"; Ariosto: "Orlando Furioso"; an outline of Italian literature, with lectures and essays.

M. and Tu., 4.30 P. M., *Spring Term*.

The Department of Biblical Literature.

PROFESSOR BURNHAM.

In this department, the books of the Bible are made the subjects of literary study and criticism. The Bible is considered simply as a collection of books, forming a unique national literature, which was a natural product of a peculiar national life, and was intended by its authors to be a help towards the securing of a national destiny in which they believed and for which they hoped. The work of this department is arranged as follows:

1. ANALYTICAL STUDIES. A careful literary analysis of specimen books, including all kinds of the literature, is made. The object of this analysis is to

determine the character of the contents of the book, in regard to both substance and form.

M. and Tu., 11 A. M., *Winter Term.*

2. **INDUCTIVE AND COMPARATIVE STUDIES.** (1) By careful observation, the essential characteristics of the various kinds of the literature contained in the Bible, are ascertained. Then, by inductions based upon these ascertained characteristics, the authors and the dates of the Biblical books are determined, so far as this is possible. (2) The agreements and differences of the various kinds of the Biblical literature, both in contents and characteristics, when compared with like kinds in other great literatures, are discovered; and the relative value of the Biblical literature, in comparison with these other literatures is determined.

M. and Tu., 11 A. M., *Winter Term.*

The Department of Rhetoric and Oratory.

PROFESSOR CRAWSHAW.

It is the aim of this department to aid the student in the acquirement of a correct and forcible English style, to develop his powers of literary expression, and to cultivate proficiency in public address. The following courses extend over the four undergraduate years of the University, forming a complete and extended series, and are designed to afford any diligent student ample preparation for public life.

First Year.

1. **RHETORIC.** A study of style and the general processes of invention in Genung's "Practical Rhetoric." The various principles involved are illustrated by a study of selections from Genung's "Hand-book of Rhetorical Analysis." The formal work in the text book is supplemented by class-room discussions, criticism of essays, analysis of themes, presentation and criticism of plans, reference to Richard Grant White's "Words and their Uses," Trench "On the Study of Words," &c.

Th.—Sat., 10 A. M., *Fall Term, four weeks, and all of Winter Term.*

2. **RHETORIC.** A study of the several kinds of composition in Genung's "Practical Rhetoric." Illustration of principles by a study of selections from Genung's "Rhetorical Analysis." In addition to the formal work in the text-books each member of the class is required to present exercises in the

various forms of composition; and these exercises are freely criticised before the class.

Th.—Sat., 10 A. M., *Spring Term.*

First and Second Years.

3. ORATORY. The formal study of Elocution (Ross's "Voice Culture and Elocution,") Fall Term of first year, continued for ten weeks, three exercises a week, with weekly exercises in declamation continued through two entire years.

Th.—Sat., 10 A. M., *for ten weeks of Fall Term of Freshman year;* and Sat., 9 A. M., *throughout the Freshman and Sophomore years.*

Third Year.

4. ORATORY. Exercises in the composition and delivery of orations throughout the Junior year. Each production read and criticised with the author by special appointment. A subsequent public appearance required.

Fourth Year.

5. ORATORY. A course in forensics is offered as an elective two hour course to those students who have completed the preceding courses and who desire drill in extemporaneous speaking.

W., every other week, 3.30 P. M., *Fall and Winter Terms.*

The Department of Pure Mathematics.

PROFESSOR TAYLOR.

The courses of study in this department begin with the Freshman year, and may be continued, as required or elective studies, throughout the entire undergraduate course. The work is conducted by aid of text-books with informal lectures.

The aim of the instruction is to form habits of accurate and precise expression and to develop the power of independent and logical thought, as well as to teach the general methods and principles of each subject.

First Year.

1. GEOMETRY. Solid and Spherical; Exercises in Geometrical Invention and Applications; Theory of Limits.

M.—F., 9 A. M., *Fall Term.*

2. ALGEBRA. Theory of Equations; Differentiation of Algebraic, Logarithmic and Exponential Functions; Development of Functions in Series; Convergence and Summation of Series; Theory and Computation of Logarithms; Permutations, Combinations and Probability; Loci as Illustrative of the Theory of Equations.

M.—F., 11 A. M., *Winter Term.*

3. PLANE TRIGONOMETRY AND SURVEYING.—The Theory of the Trigonometric Functions and its application to the solution of plane triangles and to surveying.

M.—F., 11 A. M., *Spring Term.*

Second Year.

4. SPHERICAL TRIGONOMETRY.—Napier's Rules and Analogies; Gauss's Equations, and their application to the solution of spherical triangles.

M.—W., 10 A. M., *Fall Term, five weeks.*

5. ANALYTIC GEOMETRY.—The Straight Line, the Conic Sections, the General Equation of the Second Degree, and Higher Plane Curves, in Plane Geometry; and the Point, the Straight Line, the Plane, and Surfaces of Revolution, in Solid Geometry.

M.—W. 10 A. M., *Fall Term, nine weeks, and*

M.—W., 9 A. M., *Winter Term.*

6. CALCULUS. Differentiation and Practical Applications, Direct Integration and its Application to the Determination of Areas and Volumes, and the Rectification of Curves; Successive Differentiation; Evaluation of Indeterminate Forms; Development of Functions in Series; and Maxima and Minima.

This course may be elected by any student who has taken the first five courses. While designed to lay the foundation for the subsequent courses in this subject, it is adapted to those also who wish in a short time to gain a clear idea of the methods and problems of the Calculus.

M.—W., 9 A. M., *Spring Term.*

Third Year.

7. CALCULUS. A continuation of Course 6, and embraces the remaining subjects in Taylor's Calculus, excepting the chapter on the Method of Infinitesimals.

M.—W., 11 A. M., *Fall Term.*

8. **CALCULUS.** A continuation of Course 7, and embraces the Infinitesimal Method and Applications, also the History and Philosophy of the Calculus. Books of Reference, the Treatises of Williamson, Duhamel, Puci and Bertrand, Bledsoe's Philosophy of Mathematics and Ball's History of Mathematics.

M.—W., 10 A. M., *Winter Term.*

9. **ADVANCED COURSE IN ANALYTIC GEOMETRY.** Salmon's Higher Plane Curves and Aldes Solid Geometry.

M.—W., 10 A. M., *Spring Term.*

Fourth Year.

10. **THEORY OF EQUATIONS AND DETERMINANTS.** Burnside and Pantón's Theory of Equations.

Th. and F., 11 A. M., *Fall Term.*

11. **QUATERNIONS.** Hardy's Quaternions. Books of reference, the Treatises of Tait, and Kelland and Tait, and Hamilton's Lectures.

Th. and F., 10 A. M., *Winter Term.*

The Department of Mechanics and Engineering.

PROFESSORS EATON AND OSBORN.

The aim of this department is to make practical application of the mathematics already pursued and as a mental discipline to develop especially the constructive faculty. In engineering the choice of subjects is mainly made from such as are necessary in all classes of engineering.

First Year.

1. **DESCRIPTIVE GEOMETRY.** Daily recitations from Church's "Descriptive Geometry," with a fair proportion of original work.

Professor EATON, M.—F., 11 A. M., *Fall Term.*

2. **MECHANICS.** A general course designed for those who do not care to pursue the subject through advanced courses and as a preparation for the work of the Department of Physics and Astronomy, treats of the conditions of equilibrium, the laws of motion, and of matter in all its conditions, also of molecular mechanism. Daily recitations from Kimball's Snell, with solution of problems.

Professor OSBORN, W.—F., 11 A. M., *Winter and Fall Terms.*

3. MECHANICAL DRAWING. Personal instruction and supervision of each student.

Professor EATON, Th. and F., 10 A. M., *Winter and Spring Terms*.

4. STRENGTH OF MATERIALS. Daily recitations from Anderson's "Strength of Materials."

Professor EATON, M.—W., 10 A. M., *Winter Term*.

Second Year.

5. APPLIED MECHANICS. An advanced course. Cotterill is used as a text-book.

Professor EATON, M.—F., 10 A. M., *Fall Term*.

6. METALLURGY AND THE STEAM ENGINE. These subjects are taken up in alternate years, the object being to afford an opportunity to those students desiring to pursue both studies to take up the alternate subject during the second year. Text-books, Holmes' "Steam Engine" and Huntington's "Bloxom on Metals." Students will visit, with the instructor, suitable neighboring localities for practical instruction on these subjects.

Professor EATON, M.—F., 9 A. M., *Spring Term*.

The Department of Physics and Astronomy.

PROFESSOR OSBORN.

1. PHYSICS. The aim of instruction in this course is to acquaint the student with the leading facts relating to the active agents, Heat, Light, and Electricity in its various forms and the modern applications, especially as these facts illustrate the laws of energy and the correlation of forces. Instruction is given by text-book, and lectures fully illustrated by the use of apparatus.

M.—F., 10 A. M., *Fall Term*.

2. ASTRONOMY. The Solar System. By means of daily recitations from Young's "General Astronomy," lectures and illustrations by oxy-hydrogen views, it is sought to give the student a clear, accurate and justly proportioned presentation of facts, principals and methods in such form as to be readily apprehended by the average college student. A knowledge of the general principles of mechanics as well as of pure mathematics is presupposed; accordingly Courses 1-5 of the Department of Pure Mathematics and also Course 4, at least, of the Department of Mechanics and Engineering must precede the courses in Astronomy.

M.—F., 9 A. M., *Winter Term*.

3. ASTRONOMY. The Fixed Stars, Comets and Meteors. A continuation in aim and method of Course 2. The ancient history and recent development of the science, especially in the new astronomy, is also considered.

M.--W., 9 A. M., *Spring Term.*

The Department of Biology and Geology.

PROFESSOR OSBORN and MR. COLE.

The opening of the Biological Laboratory and the extension of the courses to include two years' continuous work have wrought important changes in the methods of instruction in this department. Laboratory work upon living plants and animals, alcoholic, dried and fossil organisms, and microscopical preparations, together with field work and lectures, illustrated by the oxy-hydrogen lantern and microscope and the solar projecting apparatus, models, casts, diagrams, charts, and maps, bring the student into intimate relations with the organic world and geological phenomena. Special attention is paid to the formation of correct habits of study in natural history. The student is led on from the consideration of specific and generic differences to the broader generalizations and the perception of the fundamental laws of plant and animal life. Solid foundations are laid for the more advanced work of graduate courses. The student is prepared to appreciate the literature of these sciences, and the current discussions of the theories which attempt to account for the presence, succession, and variation of organic forms.

First Year.

1. BIOLOGY. This is a general, elementary laboratory course intended to familiarize the student with the fundamental phenomena of living matter, cells and their modifications and aggregations, and concluding with the careful study of a type plant and animal. Instruction is given in the use of the dissecting and compound microscopes, and the preparation of objects for microscopic examination, including the simpler processes of section cutting and the use of the ordinary dyes and re-agents in histological work.

This course is preparatory for Courses 2, 3, 4, 5 and 6.

Mr. COLE, M.—F., 1.30—3.30 P. M., *Fall Term.*

2. CRYPTOGRAMIC BOTANY. This course in systematic Botany is open to students who have completed Course 1. A text-book is used in connection with laboratory work on living and prepared specimens. Attention is directed especially to the Bacteria, and the theories of their relation to disease.

Mr. COLE, W.—F., 1.30—3.30 P. M., *Winter Term*.

3. PHANEROGAMIC BOTANY. This course is open to students who have completed Course 1, and it is desirable that Course 2 shall have been completed. It includes the morphology of the flowering plants, the characteristics of the more important Orders, instruction in analysis and classification, with laboratory work, and the preparation of a small herbarium by each student. Lectures will be given on the more interesting and important topics connected with the subject. The Douglass Herbarium is accessible for reference.

Mr. COLE, M. and Tu., 1.30—3.30 P. M., *Spring Term*.

4. INVERTEBRATE ZOÖLOGY. This course is open to students who have completed Course 1. The characteristics of the Branches, Classes, and Orders of the Invertebrata are studied by the use of the text-book, laboratory dissections of type forms, standard reference books and monographs, and illustrated lectures. Attention to comparative anatomy is required. The range of the Orders in geological time is noted and those of the most importance to the student of Historical Geology and Palæontology are studied more in detail. The facts bearing upon the theory of evolution are duly considered.

Mr. COLE, M. and Tu., 1.30—3.30 P. M., *Winter Term*.

5. INVERTEBRATE AND VERTEBRATE ZOÖLOGY. This course is open to those who have completed Course 4. The study of the invertebrates is finished and lectures are given on the vertebrates.

Mr. COLE, W.—F., 1.30—3.30 P. M., *Spring Term*.

Second Year.

6. PHYSIOLOGY. This course is open to students who have completed Course 1, and Courses 4 and 5 are recommended for further preparation. Recitations from the text-book (Martin's) are illustrated by dissections, articulated skeleton, models, charts, and microscopic specimens. A general view of human anatomy is followed by special study of the organs and phenomena of nutrition, of circulation, and of the general nervous system, and a more detailed study of the organs of the special senses.

Professor OSBORN, M.—W., 11 A. M., *Fall Term*.

7. **DYNAMIC GEOLOGY.** This course is pursued by text-book and recitations, and is illustrated by specimens from the geological collections and frequent illustrated lectures.

Field work will be done as far as opportunity offers.

Mr. COLE, M.—W., 10 A. M., *Winter Term.*

8. **HISTORICAL GEOLOGY.** This course is open to students who have completed Courses 4 and 5. The succession of life in the geological epochs is discussed in its relation to the theory of evolution. The work includes recitations from text-book, laboratory practice in elementary palæontology, illustrated lectures, and field work.

Mr. COLE, M.—W., 9-11 A. M., *Spring Term.*

The Department of Chemistry and Mineralogy.

PROFESSOR MCGREGORY AND MR. ELLERY.

The aim of this department is to give the student thorough training in habits of accuracy and observation, as well as instruction in the fundamental principles of scientific study. The Chemical Laboratory, built in 1884, is equipped with all the apparatus necessary for the successful study of analytical chemistry. The work of Course 1 and a part of the work of Course 2 is conducted in the class room by means of a text-book, with experimental lectures. The remainder of the work is done in the laboratory and consists of Qualitative and Quantitative Analysis, Elementary Mineralogy, and Organic analysis, with supplementary lectures on the History of Chemistry, Chemical theories and other points of interest connected with the work.

First Year.

1. **GENERAL CHEMISTRY.** A course for beginners, embraces the non-metallic elements. Daily recitations from Harris' "Lecture Notes on General Chemistry," accompanied by lectures and experiments.

M.—F., 1.30 P. M., *Spring Term.*

Second Year.

2. **GENERAL CHEMISTRY.** A supplementary course introductory to the work in Qualitative Analysis. Text-book, Richter's "Inorganic Chemistry,"

beginning with the metals, lectures on the principal theories involved, on metallurgical processes and on the elements of Crystallography.

M.—F., 3.30–5.30 P. M., *Fall Term.*

3. QUALITATIVE ANALYSIS, including the determination of all simple inorganic substances. Harris' "Manual of Qualitative Analysis" is used as a guide. Frequent lectures and examinations.

M.—F., 3.30–5.30 P. M., *Winter Term.*

4. QUALITATIVE ANALYSIS is a continuation of Course 3, and includes the various methods employed for separating the metals. Frequent examinations are required of the different analytical methods. Harris' Manual, Part III.

M.—F., 3.30–5.30 P. M., *Spring Term.*

Third Year.

5. ELEMENTARY MINERALOGY, open only to those who have had a course in qualitative analysis, is studied principally in its relations to chemistry. About one-half the time is occupied with crystallography and the remainder in the study of the physical and chemical properties of minerals and their determination. A short course of lectures upon assaying is given in connection with the work.

M.—F., 3.30–5.30 P. M., *Fall Term.*

6. QUANTITATIVE ANALYSIS, occupies two terms. During the first, the student makes the principal simple determinations; during the second, the determinations of complex compounds and minerals is made. Both gravimetric and volumetric methods are employed. Harris' "Quantitative Analysis" is used.

M.—F., 3.30–5.30 P. M., *Winter and Spring Terms.*

Fourth Year.

7. TECHNICAL CHEMICAL ANALYSIS. Following the courses in quantitative analysis, some of the simpler courses in Technical Chemical Analysis are offered, *i. e.*, the analysis of dairy products, water, urine, etc. The exhaustive study of none of these subjects is attempted, the aim being rather to give the general method of work in each. For those who wish, the further analysis of minerals may be substituted.

M.—F., 3.30–5.30 P. M., *Fall Term.*

8. ORGANIC CHEMISTRY. An introductory course of lectures upon the compounds of carbon. The student is required to take notes and reproduce

the same. In the laboratory the ultimate analysis of organic compounds is taken up.

M.--F., 3.30-5.30 P. M., *Winter Term.*

9. ORGANIC CHEMISTRY. A continuation of Course 8. The different methods of building up compounds synthetically will be studied, and subsequently original work in the formation and investigation of compounds will be undertaken.

M.--F., 3.30-5.30 P. M., *Winter Term.*

Each of the above laboratory courses is a full equivalent of a five hour a week elective study, each student being expected to work two hours a day for five days each week.

The Department of History and Political Science.

PROFESSOR TERRY.

The object of instruction in the department of History and Political Science is four-fold. Primarily to furnish the student with a general knowledge of the great national movements, of the development of political institutions and the survival of those great principles of civil liberty and political organization that have made the present order of civilization possible. It is believed that without this information, no man is fitted for intelligent citizenship.

It is also designed by the constant weighing of cause and effect, by seeking a fair and just estimate of the actions and theories of the past, to enlarge the sympathies, develop the judgment and prepare the way for the truest culture. It is believed that in the attainment of this object the study of History and Politics has a high value.

It is further designed to provide training specially valuable for those students who intend to enter the profession of the law, or other active public service.

It is also hoped that from time to time students will offer themselves for a course of special training, in order to qualify themselves for the subsequent teaching of History and Political Science or of kindred subjects as a profession. The courses here offered are designed to lay a broad foundation for such advanced work.

First Year.

1. HISTORY. An introduction to Modern History is mainly occupied with an exposition of the philosophy of history, the consideration of the elements

of modern civilization, and a review of those parts of Oriental and Classical History which bear most directly upon the progress of modern civilization.

Th. and F., 10 A. M., *Fall Term*.

2. HISTORY. The Period of Transition, is a study of the six centuries which intervened between the beginning of the barbaric migrations and the Treaty of Verdun, noting especially the origin and progress of those great movements by which Classical Europe passed into Feudal Europe. Special attention is given to the decline of the Roman Empire; the barbaric migrations; the customs of the Franks; the Salic Code; the Re-extension of the Empire under Justinian; the History of Roman Jurisprudence from the Twelve Tables to Justinian, and the service of Roman Law in the Civilization of Europe. The latter part of the course is given to the rise and extension of Mohammedanism in the East, and an examination of the Constitution of the Empire of Charlemagne.

Th. and F., 9 A. M., *Winter Term*.

3. HISTORY. The Feudal Period, treats of the Political and Constitutional History of Europe from the breaking up of the Frankish Empire to the election of Rudolph of Hapsburg. The aim of this course is to lead the student to the study of those centrifugal forces which effected the dissolution of the Empire of Charlemagne, and resulted in the dispersion of authority known as the Feudal System, but which also afforded opportunity for the fusion of the diverse elements, thrown together in the preceding period, into the great national masses of modern Europe. Special attention is given to the influence of Imperialism during this period, and its embodiment in the Holy Roman Empire.

W.—F., 9 A. M., *Spring Term*.

4. HISTORY. The Constitutional History of England: the Formative Period, is a study of the development of the English Constitution from the migration of the English to Britain in the 5th and 6th centuries, to the 14th century, when the English Constitution reached its definitive form. Special attention is given to the old English local organizations, the Mark and the Scire; the old English Kingship; the gradual approach of feudalism; the changes made by the Norman conquest, and the Norman and Angevin organization; the final struggle for civil rights and the formation of the Parliament.

M. and Tu., 9 A. M., *Spring Term*.

Second Year.

5. HISTORY. The Period of Renaissance and Reformation, is a study of the great political and social movements of Europe, from the rise of the National Monarchy in France to the Treaty of Westphalia. The Crusades,

their influence upon the political or social institutions of Europe; the decline of Feudalism and of the Imperial idea; the growth of the National Monarchy; the attempts made by the several nations of Europe at Representative Government; the attempts at religious and political reform, with the varying results attained, are studied as great continental movements, confined to no one state in particular, but marking in each state the general progress of European civilization.

M.—W., 11 A. M., *Fall Term.*

6. HISTORY. The French Revolution, is a study of the great social and political movements of the 17th and 18th centuries that culminated in the overthrow of the old order and the diffusion of civil rights among the common people. The first part of the course is given to a consideration of the condition of Europe after the Treaty of Westphalia; the supremacy of France; the rise of Prussia and the abandonment of the Imperial idea by the Teutonic States; the naval supremacy of England and the extension of her empire beyond seas; the American Revolution and its effect upon Europe. In the second part of the course the French Revolution is treated at length. Its causes and progress; its results, both immediate and remote, as marking the close of the reign of powers and forces in Europe and the beginning of the reign of ideas.

M.—W., 10 A. M., *Winter Term.*

7. HISTORY. The Recent History of Europe. An effort is made to show the significance of the great social, political and religious movements of the 19th century; to summarize principles and laws and to note the peculiarity of each great national movement.

M.—W., 10 A. M., *Spring Term.*

8. ROMAN LAW. Morey's Outlines. An elementary course, covering Roman Private Law, and designed to give the historical student some familiarity with fundamental legal notions. The work in the text books is accompanied by discussions and frequent lectures.

M.—W., 10 A. M., *Fall Term.*

9. INTERNATIONAL LAW. Daily recitations from Gallaudet's Manual of International Law, with recitations and occasional lectures.

M.—W., 9 A. M., *Winter Term.*

Third Year.

10. HISTORY. Seminary of English Constitutional History, for advanced students. A Seminary of English History will be organized at the opening of the Fall Term, for the study of special questions connected with the growth

of the English Constitution. With each year the topics are varied. Students are encouraged to consult original sources, so far as the opportunity is furnished by the University library, and to present the results of their work in the form of lectures to the class. Two sessions of the Seminary are held each week.

Th. and F., 11 A. M., *Fall Term.*

11. HISTORY. Seminary of American History, for advanced students. At the opening of the Winter Term a seminary will be organized for the study of special questions connected with early American History. Methods the same as in Course 10.

Th. and F., 10 A. M., *Winter Term.*

12. HISTORY. Seminary of American History for advanced students. The study of special questions connected with later American History. Subject varied from year to year. Methods the same as in the preceding Courses.

Th. and F., 10 A. M., *Spring Term.*

In general the above Courses are designed to extend over three years. However, by completing Courses 1-4 and 7 and 8 the first year, the remaining courses may be completed the second year. Only students who have completed Courses 1-4 and have manifested special aptitude for the work of this department will be admitted to Courses 10-12.

Of Courses 1-7, the method is that of lectures, supplemented by private reading, investigation of original sources, inspection of note books, frequent examinations, class debates, theses, reports, etc. The details of political history are usually left to be worked out by the student, while the discovery of principles, the grouping of events, the development of institutions, are treated at length in the lectures. As each period is passed over, an account of the principal sources of its history is given, and the most valuable modern works are assigned to special students for review, to be reported to the class.

The Department of Political Economy.

PROFESSOR MAYNARD.

1. POLITICAL ECONOMY. Daily recitations from Walker's Political Economy, supplemented by lectures and discussions. The text furnishes to the student a clear statement of principles. Then, by questions, by drawing the student into discussions, by encouraging him to express his difficulties

freely, the instructor endeavors to fix principles and to direct attention to their practical working in concrete cases.

W.—F., 11 A. M., *Winter and Spring Terms.*

2. CONTEMPORARY SOCIALISM. The views of the most prominent living socialists are brought before the class by means of lectures, discussions, and criticisms.

M. and Tu., *Spring Term.* *The hour of exercise determined after the organization of the Class.*

The History of Art.

PROFESSOR ANDREWS.

In the Senior year instruction is given in the History of Architecture and Sculpture. The hand-books used by the student are largely supplemented with lectures, illustrated by a copious collection of slides and photographs. In these illustrated lectures a Calcium Light Stereopticon is employed. Special attention is given to the origin and development of Greek Architecture. Its connection with earlier styles, particularly with the Assyrian and Egyptian, are noted, and the modifications and additions made by the Romans are also traced. Gothic and Renaissance Architecture are likewise treated. An attempt is made to give some accurate acquaintance with the masterpieces of ancient sculpture, to show the relation between classical and mediæval art, and to bring out those principles which gave to the plastic art of the Greeks its enduring preëminence as the standard of taste.

Th. and F., 2.30 P. M., *Three Terms.*

The Department of Philosophy.

PROFESSORS BEEBEE, ANDREWS and BURNHAM.*

First Year.

1. LOGIC. It is the object of this department to give the student a thorough knowledge of the subject, embracing both Formal and Applied

* Professors Andrews and Burnham are connected with this department only until a successor to President Dodge shall be appointed or some other arrangement be made.

Logic. The nature, sphere, limitations, and applications of principles are defined and illustrated. To make the study a discipline, and to secure, as far as possible, practical results, the student, during the last half of the term, is subjected to a daily analysis of arguments and fallacies in a manner not only to compel a knowledge of principles and methods, but to induce correct habits of thinking.

Professor BEEBEE, M—F., 9 A. M., *Fall Term.*

Second Year.

2. PSYCHOLOGY. The study of the Human Mind is regarded, not only as affording one of the highest forms of intellectual discipline, but also as furnishing self-knowledge of a most important and practical kind. The subject is pursued with reference to both these ends. Mental science is investigated, both for its profound intrinsic interest, and for its bearing upon the cultivation of the intellectual powers. The physiological connections of psychical phenomena are fully considered, and the problems of psychology are presented in their relation to the great philosophic questions. The study of mind is thus made an introduction to speculative philosophy. Attention is given to the history of philosophic thought, beginning with the Greek thinkers. The class prepare essays on the principal modern philosophers, and their distinctive theories are further treated in oral lectures and discussions.

Professor ANDREWS, M.—W., 9 A. M., *Fall Term.*

3. EVIDENCES OF CHRISTIANITY. Lectures are given on the historical character of the religion of Christ; on Christianity as a supernatural fact; as a Divine Life; as a new Revelation of Truth and Duty; as a Divine Kingdom; as a Fulfillment of Ethnic aspirations and Jewish hopes; and as a World-Power. These lectures are accompanied with an examination of the various skeptical tendencies of modern thought.

Professor BURNHAM, M. and Tu., 11 A. M. *Winter Term.*

4. CHRISTIAN ETHICS. Lectures are given on Theoretical Ethics. The course embraces the History of Ethical Opinions, the relation of morals to religion, the criticism of the current theories—the evolutionary, the utilitarian, the independent, and the intuitive conceptions of morals; and the fuller exposition of the Ethics of Christianity. This last will embrace a discussion of the absolute and the relative grounds of virtue, and the new relations and higher possibilities introduced by the coming of the Divine Founder of the Christian religion.

These lectures will also treat of Practical Ethics. This course will include both spontaneous and reflective moral activities of the soul, and will embrace our duties to God--to ourselves--to the family--to society and to the church.

There are also special lectures on Liberty of Thought, its nature and its value; on the laws of Intellectual Growth; on the Formation of Opinions; on Personal Character as a factor in Public Life; on the Choice of a Vocation in Life; and on Manners.

Professor BURNHAM, M. and Tu., 11 A. M., *Spring Term.*

Requirements for Graduation.

THE BACHELORS' DEGREES.

The University provides five distinct and parallel courses of instruction leading to the Bachelor's Degree:

I. A COURSE IN ARTS, requiring Latin and Greek for matriculation, and leading to the degree of Bachelor of Arts.

II. A COURSE IN LETTERS AND PHILOSOPHY, requiring Greek and German for matriculation, and leading to the degree of Bachelor of Philosophy.

III. A COURSE IN LETTERS AND PHILOSOPHY, requiring Latin and German for matriculation, and leading to the degree of Bachelor of Philosophy.

IV. A COURSE IN LETTERS AND SCIENCE, requiring with Latin and French certain scientific subjects for matriculation, and leading to the degree of Bachelor of Science.

V. A COURSE IN LETTERS AND SCIENCE, requiring with German and French and the elements of Latin, certain scientific subjects for matriculation, and leading to the degree of Bachelor of Science.

These several courses extend each over four undergraduate years and embrace instruction in Philosophy, History and Political Science, Art, Language and Literature, Mathematics and Natural Science. The subjects of the first two years are required throughout except in the last term of the Sophomore year of Courses I, II, and III.

In the Classical or Arts' course, Greek, Latin and Mathematics occupy eleven hours per week through the Freshman and Sophomore years. Throughout the Freshman year French, Rhetoric and Elocution, and through the Sophomore year English Literature, German and Elocution, occupy together six hours per week. In the third term of the Sophomore year Chemistry occupies five hours per week and Mathematics is made elective with Latin three hours per week.

In the Literary and Philosophical courses the same relative proportion of time assigned to scientific and literary subjects prevails. Throughout the

Freshman year eleven hours per week are occupied with Mathematics advanced German and Greek or Latin, six hours per week, with French, Rhetoric and Elocution. In the Sophomore year either Latin or Greek is required throughout, while six hours per week are given to advanced German and Anglo-Saxon, and six hours are occupied with Mathematics, English Literature and Elocution. In the third term Chemistry is introduced and Mathematics is made elective with German.

In the scientific courses the work of the first two years is required throughout. In the Freshman year ten hours per week, and in the Sophomore year eleven hours per week are given to scientific subjects. In the Freshman year seven hours per week, and in the Sophomore year six hours per week are occupied in the study of Language and Elocution.

The two scientific groups are alike in the scientific subjects, in the mathematics, and in the English and French required for entrance to college and pursued for the first two years thereafter. They differ in that the Latin Scientific course requires the full Latin of the Classical course for admission, and pursues the same through the Freshman year. The English Scientific course requires in place of the full college preparation in Latin, the elements of Latin, and at least one year's preparation in German.

The elements of Latin are insisted on as a requirement for entrance to the scientific courses, since a knowledge of Latin forms and a familiarity with the methods of Latin derivation are essential to any scientific training worthy of the name, as well as to the pursuit of the studies offered in advanced English.

The required work of the Junior and Senior years of the classical and literary groups is the same throughout, and occupies seven hours per week through the Junior year, and five hours per week through the Senior year. It includes Logic, Biblical Literature, Mechanics, Metaphysics, Political Economy, Moral Philosophy and the Evidences of Christianity.

In the scientific courses the same number of hours is occupied by required subjects as in the Classical and Literary courses. In the Junior year the required subjects are either Engineering five hours per week through the year, or advanced Mathematics and French the first term, followed by Biblical Literature and Mechanics the second and third terms. The required work of the Senior year includes Metaphysics, Political Economy, Moral Philosophy and Evidences of Christianity.

In all courses the work in Elocution and Oratory is required for three years. In the Senior year this subject is elective.

Besides the prescribed work of the Junior and Senior years, from the courses offered by the several departments, not pursued in the earlier years of the course, each student is also required to select work that shall occupy not less than ten hours per week during the Junior year, and twelve hours per week during two terms of the Senior year, and seven hours during the last

term. Thus upwards of eighty elective courses are open to the Junior and Senior classes and may be taken by any member of either class whose attainments are sufficient to enable him to carry on the work successfully.

Many of these courses through their relations to other topics form groups, and it is desirable that the student select some one particular group or chief subject which he shall follow continuously and choose others subsidiary to it. He will also select his subjects as far as possible according to his needs and his expectations as to future work.

In presenting these five groups of undergraduate study, the University seeks to meet the special needs of the various classes of young men who desire higher education. It is proposed by the kind and amount of study prescribed to lay a broad foundation and to prepare the student for the best attainment, whatever the department or profession followed in after life.

It is believed that special advantages are offered those who intend to fit themselves for teaching particular subjects. The courses in Greek, Latin, Modern Languages, English and Mathematics are so arranged that a student may follow any one or more of these subjects continuously for the entire four years. Mechanics and Engineering may be followed for two years, Chemistry for three years, Physical Sciences for one year, Biology and Geology for two years, Semitic Languages for three years, History and Philosophy for three years. The Literary courses, by omitting Greek or Latin, afford to those who desire, an opportunity for special attainment in the study of Modern Languages, including, with French and German, the Italian and Anglo-Saxon. The Scientific courses especially provide for a thorough and extended training in Chemistry, Biology and higher Mathematics, including Surveying and Civil Engineering. The Chemical and Biological Laboratories offer special advantages to young men who intend to study medicine after completing the college course.

Subjoined is a synopsis of the requirements for graduation in the several undergraduate courses.

SYNOPSIS OF THE COURSES OF STUDY REQUIRED FOR THE BACHELORS' DEGREES.

I. Course in Arts.

FOR THE DEGREE OF BACHELOR OF ARTS.

Freshman Year.

LATIN: [Courses 1 and 2.] Cicero, Tacitus, Livy and Nepos.

Three terms, three hours a week.

GREEK: [Courses 1-3.] Homer, Herodotus, Thucydides and Plato.

Three terms, three hours a week.

FRENCH: [Course 1.] Elementary drill in Grammar and Reader. Lectures introductory to the courses in French literature.

Three terms, two hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays and Declamations.

Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry and Surveying.

Three terms, five hours a week.

Sophomore Year.

LATIN: [Courses 3 and 4.] Horace, Pliny and Cicero.

Fall term, five hours a week.

Winter term, three hours a week.

GREEK: [Courses 4-6.] Demosthenes, Aeschylus, Sophocles, Euripides, Aristophanes and Lucian.

Fall and Spring terms, three hours a week.

Winter term, five hours a week.

ENGLISH: [Courses 1-3.] History of English literature, Critical Study of representative English prose writers.

Three terms, two hours a week.

GERMAN: [Course 2.] Elementary drill in Grammar and Reader. General introduction to the courses in German literature.

Three terms, three hours a week.

ORATORY: [Course 3, completed.] Declamations.

Three terms, one hour a week.

MATHEMATICS: [Courses 4 and 5.] Spherical Trigonometry and Analytical Geometry.

Two terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, Elementary Course.

Spring term, five hours a week.

ELECTIVE STUDIES.

LATIN: [Course 5.] Juvenal and Perseus, or

MATHEMATICS: [Course 6.] Calculus.

Spring term, three hours a week.

Junior Year.

PHILOSOPHY: [Course 1.] Logic, Formal and Applied.

Fall term, five hours a week.

MECHANICS AND ENGINEERING: [Course 2.] Mechanics, General Course.

Winter and Spring terms, three hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of specimen books; Characteristics of various kinds of literature contained in the Bible, &c.

Winter and Spring terms, two hours a week.

ORATORY: [Course 4.] Orations by appointment through the year.

Equivalent to a two hours' course for three terms.

ELECTIVE STUDIES: *In addition to the required studies, each student must elect other work to occupy not less than ten hours a week through the year.*

Senior Year.

PHILOSOPHY: [Courses 2, 3 and 4.] Psychology, Evidences of Christianity, and Christian Ethics.

Fall term, five hours a week.

Winter and Spring terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker. Lectures, Discussions.

Winter and Spring terms, three hours a week.

ELECTIVE STUDIES: *In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter terms, and seven hours a week during the Spring term.*

II. Course in Letters and Philosophy.

FOR THE DEGREE OF BACHELOR OF PHILOSOPHY.

Freshman Year.

GREEK: [Courses 1-3.] Homer, Herodotus, Thucydides and Plato.
Three terms, three hours a week.

FRENCH: [Course 1.] Elementary Drill in Grammar and Reader. Lectures introductory to the courses in French literature.
Three terms, two hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays and Declamations.
Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Plane Trigonometry and Surveying.
Three terms, five hours a week.

GERMAN: [Courses 6-8.] Lessing, Lectures on Work and Influence. Introduction to Classical German literature. The Drama.
Three terms, three hours a week.

Sophomore Year.

GREEK: [Courses 4-6.] Demosthenes, Aeschylus, Sophocles, Euripides, Aristophanes and Lucian.
Fall and Spring terms, three hours a week.
Winter term, five hours a week.

ENGLISH: [Courses 1-3 and 5-7.] History of English literature. Critical study of representative English prose writers. Origin and Development of the English Tongue: Anglo-Saxon, Transition English, Chaucer.
Three terms, five hours a week.

GERMAN: [Course 9, and course 10, first term.] German Poetry, Literature from earliest times. Goethe. Introduction to Faust. The Romantic School. Lectures.
Fall and Winter terms, five hours a week.

FRENCH: [Course 3.] Literature of seventeenth century. Molière.
Fall term, two hours a week.

ORATORY: [Course 3, completed.] Declamations.

Three terms, one hour a week.

MATHEMATICS: [Courses 4 and 5.] Spherical Trigonometry and Analytical Geometry.

Fall and Winter terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, elementary course.

Spring term, five hours a week.

ELECTIVE STUDIES.

GERMAN: [Course 10, second term.] Goethe's Faust, &c.; or

MATHEMATICS: [Course 6.] Calculus.

Spring term, three hours a week.

Junior Year.

PHILOSOPHY: [Course 1.] Logic; Formal and Applied.

Fall term, five hours a week.

MECHANICS AND ENGINEERING: [Course 2.] Mechanics; general course.

Winter and Spring terms, three hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of Specimen Books. Characteristics of various kinds of Literature contained in the Bible, &c.

Winter and Spring terms, two hours a week.

ORATORY: [Course 4.] Orations by appointment throughout the year.

Equivalent to two hours' course for three terms.

ELECTIVE STUDIES: *In addition to the required studies, each student must elect other work to occupy not less than ten hours a week throughout the year.*

Senior Year.

PHILOSOPHY: [Courses 2, 3 and 4.] Psychology, Evidences of Christianity and Christian Ethics.

Fall term, five hours a week.

Winter and Spring terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker; Lectures, Discussions.

Winter and Spring terms, three hours a week.

ELECTIVE STUDIES: *In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter terms, and seven hours a week during the Spring term.*

III. Course in Letters and Philosophy.

FOR THE DEGREE OF BACHELOR OF PHILOSOPHY.

Freshman Year.

LATIN: [Courses 1 and 2.] Cicero, Tacitus, Livy and Nepos.

Three Terms, three hours a week.

FRENCH: [Course 1.] Elementary Drill in Grammar and Reader. Lectures introductory to the courses in French literature.

Three terms, two hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays and Declamations.

Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Plane Trigonometry and Surveying.

Three terms, five hours a week.

GERMAN: [Courses 6-8.] Lessing, Lectures on Work and Influence. Introduction to Classical German literature. The Drama.

Three terms, three hours a week.

Sophomore Year.

LATIN: [Courses 3 and 4.] Horace, Pliny and Cicero.

Fall term, five hours a week.

Winter term, three hours a week.

ENGLISH: [Courses 1-3 and 5-7.] History of English literature. Critical study of representative English prose writers. Origin and Development of English Tongue; Anglo-Saxon, Transition, English, Chaucer.

Three terms, five hours a week.

GERMAN: [Course 9, and Course 10, first term.] German Poetry, Literature from earliest times. Goethe; Introduction to Faust. The Romantic School. Lectures.

Two terms, three hours a week.

FRENCH: [Course 4.] Literature of eighteenth century; Voltaire, Rousseau.

Winter term, two hours a week.

ORATORY: [Course 3 completed.] Declamations.
Three terms, one hour a week.

MATHEMATICS: [Courses 4 and 5.] Spherical Trigonometry and Analytical Geometry.
Fall and Winter terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, elementary course.
Spring term, five hours a week.

ELECTIVE STUDIES.

GERMAN: [Course 10, second term.] Goethe's Faust; or

MATHEMATICS: [Course 6.] Calculus.
Spring term, three hours a week.

Junior Year.

PHILOSOPHY: [Course 1.] Logic; Formal and Applied.
Fall term, five hours a week.

MECHANICS AND ENGINEERING: [Course 2.] Mechanics, general course.
Winter and Spring terms, three hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of Specimen Books.
 Characteristics of various kinds of literature contained in the Bible, &c.
Winter and Spring terms, two hours a week.

ORATORY: [Course 4.] Orations by appointment throughout the year.
Equivalent to two hours' course for three terms.

ELECTIVE STUDIES: *In addition to the required studies, each student must elect other work to occupy not less than ten hours a week through the year.*

Senior Year.

PHILOSOPHY: [Courses 2, 3 and 4.] Psychology, Evidences of Christianity and Christian Ethics.

Fall term, five hours a week.

Winter and Spring terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker; Lectures, Discussions.

Winter and Spring terms, three hours a week.

ELECTIVE STUDIES: *In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter terms, and seven hours a week during the Spring term.*

IV. Course in Letters and Science.

FOR THE DEGREE OF BACHELOR OF SCIENCE.

Freshman Year.

LATIN: [Courses 1 and 2.] Cicero, Tacitus, Livy and Nepos.

Three terms, three hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays and Declamations.

Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry and Surveying.

Three terms, five hours a week.

BIOLOGY AND GEOLOGY: [Courses 1-5.] Biology, Botany and Zoölogy; Laboratory.

Three terms, five hours a week.

Sophomore Year.

MATHEMATICS: [Courses 4-6.] Spherical Trigonometry, Analytical Geometry and Calculus.

Three terms, three hours a week.

GERMAN: [Course 2.] Elementary Drill in Grammar and Reader. General introduction to the courses in German literature.

Three terms, three hours a week.

ENGLISH: [Courses 1-3.] History of English literature. Critical study of representative English prose writers.

Three terms, two hours a week.

ORATORY: [Course 3, completed.] Declamations.

Three terms, one hour a week.

CHEMISTRY: [Courses 2-4.] General Chemistry, advanced course. Qualitative Analysis, Lectures.

Three terms, five hours a week.

BIOLOGY AND GEOLOGY: [Courses 6-8.] Physiology, Geology, Paleontology.

Three terms, three hours a week.

Junior Year.

The student must pursue one of the following groups:

FIRST GROUP. ORATORY: [Course 4.] Orations by appointment.

Equivalent to a two hours' course for three terms.

MECHANICS AND ENGINEERING: [Courses 1, 3, 4 and 5.] Descriptive Geometry, Mechanical Drawing, (one term,) Strength of Materials, Metallurgy, or the Steam Engine.

Three terms, five hours a week.

SECOND GROUP. ORATORY: [Course 4.] Orations by appointment.

Equivalent to a two hours' course for three terms.

MATHEMATICS: [Course 7.] Calculus.

Fall term, three hours a week.

FRENCH: [Course 3.] Literature of the seventeenth century. Molière.

Fall term, two hours a week.

MECHANICS AND ENGINEERING: [Course 2.] Mechanics, general course.

Winter and Spring terms, three hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of Specimen Books. Characteristics of various kinds of literature contained in the Bible, &c.

Winter and Spring terms, two hours a week.

ELECTIVE STUDIES: *In addition to the required studies, each student must elect other work to occupy not less than ten hours a week through the year.*

Senior Year.

PHILOSOPHY: [Courses 2, 3 and 4.] Psychology, Evidences of Christianity, and Christian Ethics.

Fall term, five hours a week.

Winter and Spring terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker; Lectures, Discussions.

Winter and Spring terms, three hours a week.

ELECTIVE STUDIES: *In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter terms, and seven hours a week during the Spring term.*

V. Course in Letters and Science.

FOR THE DEGREE OF BACHELOR OF SCIENCE.

Freshman Year.

GERMAN: [Courses 6-8.] Lessing; Lectures on Work and Influence. Introduction to Classical German literature. The Drama.

Three terms, three hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays and Declamations.

Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry and Surveying.

Three terms, five hours a week.

BIOLOGY AND GEOLOGY: [Courses 1-5.] Biology, Botany and Zoölogy, Laboratory.

Three terms, five hours a week.

Sophomore Year.

GERMAN: [Course 9 and Course 10, first term.] German Poetry, Literature from earliest times. Goethe; Introduction to Faust. The Romantic School. Lectures.

Three terms, three hours a week.

MATHEMATICS: [Courses 4-6.] Spherical Trigonometry, Analytical Geometry and Calculus.

Three terms, three hours a week.

ENGLISH: [Courses 1-3.] History of English literature. Critical study of representative English prose writers.

Three terms, two hours a week.

ORATORY: [Course 3, completed.] Declamations.

Three terms, one hour a week.

CHEMISTRY: [Courses 2-4.] General Chemistry, advanced course. Qualitative Analysis, Lectures.

Three terms, five hours a week.

BIOLOGY AND GEOLOGY: [Courses 6-8.] Physiology, Geology, Paleontology.

Three terms, three hours a week.

Junior Year.

The student must pursue one of the following groups :

FIRST GROUP. ORATORY: [Course 4.] Orations by appointment.

Equivalent to a two hours' course for three terms.

MECHANICS AND ENGINEERING: [Courses 1, 3, 4 and 5.] Descriptive Geometry. Mechanical Drawing, (one term,) Strength of Materials, Metallurgy, or the Steam Engine.

Three terms, five hours a week.

SECOND GROUP. ORATORY: [Course 4.] Orations by appointment.

Equivalent to a two hours' course for three terms.

MATHEMATICS: [Course 7.] Calculus.

Fall term, three hours a week.

FRENCH: [Course 3.] Literature of the seventeenth century, Molière.

Fall term, two hours a week.

MECHANICS AND ENGINEERING: [Course 2.] Mechanics, general course.

Winter and Spring terms, three hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of Specimen Books. Characteristics of various kinds of literature contained in the Bible, &c.

Winter and Spring terms, two hours a week.

ELECTIVE STUDIES: *In addition to the required studies, each student must elect other work to occupy not less than ten hours a week through the year.*

Senior Year.

PHILOSOPHY: [Courses 2, 3 and 4.] Psychology, Evidences of Christianity, Christian Ethics.

Fall term, five hours a week.

Winter and Spring terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker; Lectures, Discussions.

Winter and Spring terms, three hours a week.

ELECTIVE STUDIES: *In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter terms, and seven hours a week during the Spring term.*

Post-Graduate Studies.

THE MASTERS' DEGREES.

RESIDENT GRADUATES.

The Faculty will recommend for the degree of Master of Arts or Master of Science, candidates, otherwise properly qualified, who shall have fulfilled the following conditions:

1. They shall have obtained the Bachelor's Degree either at Colgate University or at some other college of equal grade.

2. They shall have completed one year's post-graduate study, not professional, in Colgate University, in residence and under the direction of the Faculty.

3. Such course of study shall be selected from the advanced courses, offered as elective studies in the several departments or from other courses more advanced which may be arranged with the concurrence of the Faculty.

4. In general such courses of study shall be grouped as follows:

- I. INTELLECTUAL AND MORAL PHILOSOPHY: *e. g.* (1) Metaphysics. (2) Ethics. (3) Aesthetics. (4) Psychology. (5) Logic. (6) Philosophy of History and of Government. (7) History of Philosophy, general or special.
- II. HISTORY AND POLITICAL SCIENCE: *e. g.* (1) Comparative Constitutional History. (2) Constitutional Law of the United States. (3) Roman Law. (4) International Law. (5) Political Economy. (6) Political and Financial History of the United States. (7) The Constitutional History of England. (8) The Political History of Modern Europe, special periods. (9) Classical and Ancient Oriental History.
- III. PHILOLOGICAL SCIENCE: *e. g.* (1) The Critical Study of Greek and Latin Classics. (2) The Semitic and Cognate Languages. (3) Greek Dialects. (4) Early and Later Latin. (5) Greek and Roman Literature. (6) Old and Middle English. (7) English Literature. (8) German and French and Italian Literature.

IV. MATHEMATICS AND THE NATURAL SCIENCES: *e. g.* (1) Pure Mathematics. (2) Physics. (3) Astronomy. (4) Chemistry. (5) Mineralogy. (6) Biology. (7) Botany. (8) Geology. (9) Mechanics and Engineering.

From these groups the candidate shall have completed the major subject as follows:

For the degree of Master of Arts, from groups I, II, or III. For the degree of Master of Science from group IV.

In addition to the major subject the candidate shall also have completed two minor subjects which may be taken from groups other than the one from which the major subject is chosen.

5. The above subjects must also have been determined upon and submitted to the Faculty for approval prior to October 1st of the year in which the degree is expected to be given.

6. A thesis must also be presented upon some topic related to the major subject and requiring original research. The subject of the thesis must be submitted to the Faculty prior to December 15th, and the thesis itself in completed form prior to May 15th of the year in which the degree is expected to be taken.

NON-RESIDENT GRADUATES.

The Faculty will also recommend for the degree of Master of Arts, graduates of Colgate University of at least three years' standing, who have taken the degree of Bachelor of Arts or Bachelor of Philosophy, and who shall make application for the Master's Degree, presenting at the same time a certificate of graduation from a Theological Seminary, a Law School or a Medical School, or of admission to the practice of law or medicine, or satisfactory evidence of successful labor in that field of education or literature which may have been permanently chosen.

The Faculty will also recommend for the degree of Master of Science, graduates of Colgate University of at least three years' standing, who have taken the degree of Bachelor of Science, and who shall make application for the Master's Degree, presenting at the same time a certificate of graduation from a Medical School, or of admission to the practice of medicine, or who shall present satisfactory evidence of successful professional work actually done, or of the successful prosecution of advanced scientific or professional studies.

Requirements for Matriculation.

GENERAL REQUIREMENTS.

All candidates for admission must bring with them testimonials of attainments and of moral character, preferably from their latest instructors, and, if from another college, a certificate of regular dismissal.

Candidates for the Freshman class must have completed their fifteenth year, and candidates for a higher class must be advanced in age accordingly.

It is recommended that the candidate be prepared for examination in the requirements as specified, but equivalents will be accepted.

SUBJECTS REQUIRED FOR ADMISSION TO THE FRESHMAN CLASS.

1. All candidates for admission to the Freshman class are examined in the following subjects:

1. **MATHEMATICS:** *Arithmetic*, including the metric system of weights and measures. *Algebra*, the subjects included in the first part of Taylor's College Algebra, or in Wentworth's School Algebra, or in Olney's Complete Algebra, omitting pages 314-334, and 381-439, or an equivalent in other authors. *Geometry*, Wentworth's or Olney's Plane Geometry, or an equivalent in other authors.

To enable students to succeed in the study of Mathematics in the University the studies of the last year of the preparatory course should include a portion of both Algebra and Geometry, or a review of both. Much attention also should be given to original work.

2. **ENGLISH:** The candidate will be required to write a short composition,—correct in spelling, punctuation, grammar, division into paragraphs, and expression,—upon one of several themes announced at the time of the examination. For 1891 the themes will be drawn from the following works, with the substance, plots, incidents, characters, etc., of which it is expected that the student will thoroughly familiarize himself: Shakespeare's *Merchant of Venice*, Coleridge's *Ancient Mariner*, Longfellow's *Evangeline*, George Eliot's *Mill on the Floss*, DeQuincey's *Joan of Arc*.

The candidate will also be required to correct specimen sentences set for him at the time of the examination.

The works prescribed for the examinations of 1892 and 1893 are the following:

For 1892: Shakespeare's *Othello* and *As You Like It*, Tennyson's *Enoch Arden*, Longfellow's *Courtship of Miles Standish*, Thackeray's *Henry Esmond*, Holmes's *Autocrat of the Breakfast Table*.

For 1893: Shakespeare's *Julius Caesar* and *Romeo and Juliet*, Scott's *Marmion*, Lowell's *Vision of Sir Launfal*, Dickens's *Old Curiosity Shop*, George Eliot's *Adam Bede*, Irving's *Sketch Book*.

3. HISTORY: Doyle's *History of the United States*, Freeman's Series; or Johnston's *Outlines of the History of the United States*; Doyle preferred; Freeman's *General Sketch of History*, Freeman's Series. For the General History, so much of Fisher's *Outlines of Universal History* as covers the period treated by Freeman; or Smith's *Greece*, Student's Series; Merivale's *Rome*, Student's Series, (sixty-six chapters), and Green's *Shorter History of the English People* will be accepted as equivalents.

II. Subjects peculiar to each course and required of those students who propose to matriculate in that course. For full explanations of the several courses see pp. 48-60.

1. GREEK: Those who enter Course I (The Classical Course) or Course III (The Greek Course), will be examined in Goodwin's or Hadley's Greek Grammar; three books of Xenophon's *Anabasis*; three books of Homer's *Iliad*; and in Jones's exercises in Greek Prose.

2. LATIN: Those who enter Course I or Course III (The Latin Course) or Course IV (The Latin Scientific Course), will be examined in Caesar's *Commentaries*, Books I-IV; Six orations of Cicero, including that for the Manilian Law and that for the Poet Archias; six books of Virgil's *Aeneid*; Latin Grammar, (Harkness preferred); and Jones's Exercises in Latin Prose Composition.

Those who enter Course V (The Scientific Course), will be examined in one of the Latin authors named and in Latin Grammar and in Latin Prose Composition.

3. FRENCH: Those who enter Course IV or Course V, will be required to present for examination subjects in French equivalent to the first year's work in the Department of Modern Languages. (See p. 29.)

After 1891, this requirement in French will be made of those who propose to matriculate in Courses I, II or III, and the requirements for entrance to Courses IV and V will be advanced accordingly.

4. GERMAN: Those who enter Course II, Course III or Course V, will be required to present for examination, subjects in German equivalent to the second year's work in the Department of Modern Languages. (See p. 30.)

5. SCIENCE: Those who enter Course IV or Course V will be examined in the elements of Chemistry through the non-metals and the elements of Natural Philosophy

ADMISSION TO ADVANCED STANDING.

Candidates for admission to any class higher than the Freshman are examined in the previous studies of the class which they wish to enter, or their equivalents. Students coming from another college may, at the discretion of the Faculty, be admitted upon certificate in the studies covered. If, however, they enter after the beginning of the Sophomore year, and desire to compete for Commencement honors, they will be expected to pass examination upon the previous work of the course. No person will be admitted to the University, as a candidate for the Bachelor's degree, after the opening of the second term of the Senior year.

ADMISSION TO SPECIAL COURSE.

In exceptional cases, students not under twenty-one years of age, and not members of any one of the four classes, nor candidates for a degree, are admitted to the privileges of the University and allowed to take special courses, selected under the direction of the Faculty. Such students will be required to pass a preliminary examination sufficient to ascertain their qualifications for the course proposed, and are subject to the same regulations and discipline, and to the same examinations in the studies pursued, as those who are candidates for a degree.

They cannot compete for prizes or take part at Commencement. They will rank in the catalogue with the class with which they enter the University. These special courses, however, are not offered to those who are members of one of the regular courses and who have failed to maintain standing.

ENTRANCE EXAMINATIONS.

Entrance Examinations will be held at Hamilton as follows: On Monday and Tuesday, June 15 and 16, 1891, and again on Tuesday, Wednesday and Thursday, September 8th, 9th and 10th, following.

All candidates are recommended to present themselves at the June Examinations, so that they may have an opportunity to cancel any conditions in September. Those who remain conditioned after the September examinations

or receive conditions at that time, may be required by the respective officers to study under an authorized tutor.

For the benefit of students living at a distance, who cannot conveniently come to Hamilton to take the June Examinations, arrangements may be made, by which examinations shall be held under the direction of a college officer or some other authorized person at some convenient point. Under such circumstances the names must be sent to the Dean of the Faculty not later than May 15th, 1891.

COMPETITIVE EXAMINATIONS FOR FREE TUITION SCHOLARSHIPS.

Friends of the University have made provision for a number of competitive scholarships, which insure free tuition for the four years of the college course.

These examinations for 1891 will be held at convenient places in the States of New York, New Jersey, Connecticut, Vermont and Massachusetts, as hereafter arranged and stated in a special circular. Particulars may be obtained by correspondence with the Dean or any other member of the Faculty.

ADMISSION BY CERTIFICATE.

The Pass Cards and College Entrance Diplomas of the Regents of the University of the State of New York, *recently issued*, will be accepted as equivalent to the requirements for admission definitely covered by them.

Students, also, who have *recently* completed a full course of study similar or equivalent to that required for matriculation in any course of this University, may, by special arrangement, be admitted to that course, on the certificate of the Principal of the School from which they come.

Each certificate must state explicitly the subjects on which the candidate has passed a satisfactory examination, and the Principal must certify to the good character and conduct of the pupil.

The Principals of Academies and other preparatory schools who desire to have their students admitted on certificates are invited to correspond with the Dean of the Faculty.

Regular graduates from the following preparatory schools are admitted without examination upon the studies covered by their Certificate:

COLGATE ACADEMY, Hamilton, N. Y.

COOK ACADEMY, Havana, N. Y.

PEDDIE INSTITUTE, Hightstown, N. J.

SOUTH JERSEY INSTITUTE, Bridgeton, N. J.

- MARION COLLEGIATE INSTITUTE, Marion, N. Y.
 HUNGERFORD COLLEGIATE INSTITUTE, Adams, N. Y.
 UNION ACADEMY, Belleville, N. Y.
 PILLSBURY ACADEMY, Owatonna, Minn.
 ALBANY HIGH SCHOOL, Albany, N. Y.
 ALBANY ACADEMY, Albany, N. Y.
 SPRINGFIELD HIGH SCHOOL, Springfield, Mass.
 KEYSTONE ACADEMY, Factoryville, Pa.
 KEENE HIGH SCHOOL, Keene, N. H.
 WORCESTER ACADEMY, Worcester, Mass.
 CONNECTICUT LITERARY INSTITUTION, Suffield, Conn.
 ELMIRA FREE ACADEMY, Elmira, N. Y.

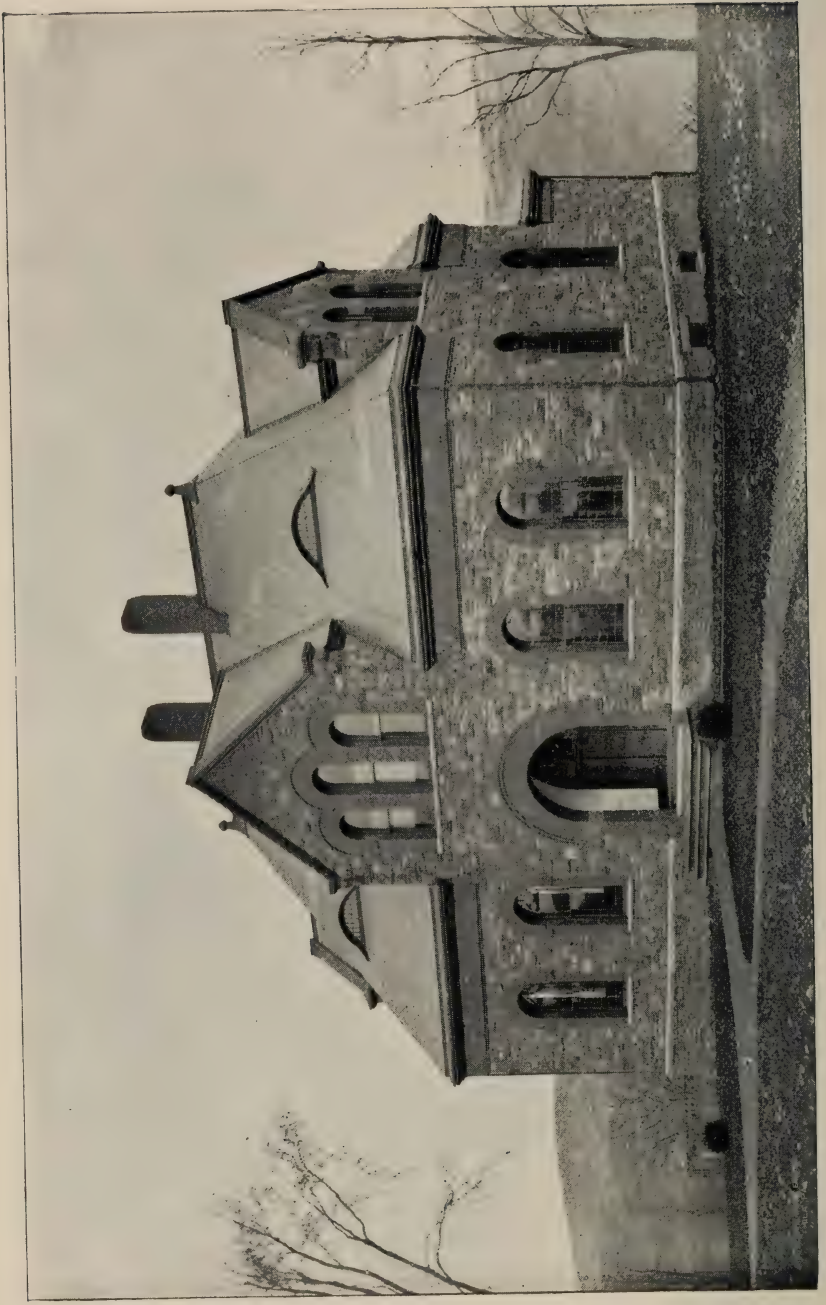
Material Equipment.

BUILDINGS AND GROUNDS.

The principal buildings of the College are the following:

WEST COLLEGE and **EAST COLLEGE.** These buildings were erected, the first in 1826, and the second in 1834, as the property of the Baptist Education Society of the State of New York. Since the erection of Eaton Hall in 1885 for the accommodation of the Theological Department, these buildings have been devoted entirely to the use of the College. West College contains two large lecture rooms, the Museum of Natural History, an Historical seminary room, the Biological Laboratory, a draughting room, at present used by the department of Mechanics and Engineering, and accommodations for seventy students. East College is the main dormitory and contains, besides the Janitor's quarters, accommodations for about ninety students, with bath-rooms furnished with modern appliances.

THE HALL OF ALUMNI AND FRIENDS. This was erected in 1860 by the alumni and friends of the University. It contains a public hall with a seating capacity of 1,200, in which are held the Commencement Exercises of Colgate University. It also contains the College Chapel, the room of the College Young Men's Christian Association and nine lecture rooms.



CHEMICAL LABORATORY

The CHEMICAL LABORATORY is the joint gift of the late President Dodge, Mr. Thomson Kingsford of Oswego, and Mr. Samuel Colgate of New York. It was built in 1884, of Hamilton stone, trimmed with brick, and is well adapted to the purposes for which it was built. The building is occupied by the departments of Chemistry and Physics. On the ground floor are two large lecture rooms, with raised seats, adjoined by rooms for the storage of apparatus, well lighted and furnished with all equipments necessary for illustration and experiment. On the second floor are the Laboratory work rooms, which afford a student opportunity for an extended course in Analytical Chemistry, both Qualitative and Quantitative. These rooms are occupied as follows: (1) The main room in which Chemical Analysis is begun. Each student is provided with a desk, furnished with sink, gas jets, air blasts and a full set of re-agent bottles, besides apartments for tools and apparatus. The room is also furnished with ventilating hoods for work in volatile or poisonous substances. (2) A laboratory for advanced students, fitted with appliances for delicate and accurate work, adjoined by a scale room furnished with accurate balances and other appliances, and by supply rooms containing chemicals and apparatus. (3) A furnace room, supplied with an improved furnace and condenser. (4) Dark rooms for photography. (5) A library and consulting room, supplied with the latest authorities on the Science of Chemistry.

The COLGATE LIBRARY, the gift of Mr. James B. Colgate, erected and furnished at a cost of \$140,000, is now completed and ready for occupation. It contains upward of 20,000 square feet

of tiled flooring, is entirely fire-proof, and in the completeness of its facilities, embraces the best results of the large experience of Librarian Melvin Dewey. Besides two stack-rooms, with a united capacity of 250,000 volumes, the building contains a reading and consulting room, 60 by 38 feet; a room for the use of the Samuel Colgate Collection of documents and bound volumes relative to Baptist History; a room for the use of the Board of the University and one for the use of the Board of the Education Society; an office for the Treasurer of the University; four seminary rooms; a delivery room, 40 by 54 feet; the Librarian's office and private room; beside other rooms used as packing rooms, work rooms, bath rooms, furnace rooms, &c. It is believed that in beauty of architecture and in adaptability to the practical needs and daily uses of a University library, the Colgate Library may justly claim to be the equal of any college library building in the country.

THE UNIVERSITY GROUNDS. The present site of the University was fixed by the gift of 120 acres of land by Judge Samuel Payne and his wife in 1826. Various additions have been made from time to time since, until now the University grounds cover upward of 200 acres, lying within and just outside the village of Hamilton, of great natural advantages, presenting a variety of landscape and affording ample facilities for college sport. Since the establishment of a permanent improvement fund in 1880 and the appointment of a special committee on the grounds, the campus has been steadily developed, in the laying out of walks and macadamized drives, in grading and seeding lawns, in setting out trees and in

making the most of the unusual natural advantages of the place. Not the least among the attractions is a plot of fifteen acres which has been graded and laid out in base ball and foot ball grounds, in tennis courts and for field sports generally.

THE UNIVERSITY LIBRARY.

The Library is intended to meet the needs of all departments of the University. While the daily needs of the students are not forgotten, the aim is to secure, so far as possible, works that may serve as original sources of information for the members of the Faculty in their personal investigation, and also for those students who may be doing seminary work.

The Library already contains upward of 20,000 volumes, and is enlarged every year by the expenditure of the income of a Library fund of \$25,000. The Library is open for three hours daily; and the students are allowed direct access to the shelves, and also to draw out a definite number of volumes. Twenty-five or more of the best American, English, French and German periodicals are taken and bound, and by indexes, are made available for permanent use. Beside the general collection, the Library contains also the President Dodge Library of more than 3,500 volumes, especially rich in work on Theology and Art. The Hon. Isaac Davis section, consisting of works on Baptism and works by Baptist authors, annually increased by the income of the fund bequeathed. The William Ward Memorial collection, consisting of Encyclopædias and other works of reference, annually enlarged by the income of a fund given by the late William

Bucknell, Esq., in memory of Rev. William Ward, D. D., class of '48. The collection which once formed the Library of the American and Foreign Bible Society has also been presented to the University. The Samuel Colgate collection of documents relating to the history of the Baptists, now numbering some 22,000 pamphlets and bound volumes, is also to be placed at the disposal of the University and will be stored in the new Colgate Library as soon as the building is ready for occupation. This collection consists of the annual reports of Associations, State Conventions and Missionary Societies, the Catalogues of Educational Institutions, Historical Sermons and Addresses, Histories of Individual Churches, and other documents relating to Baptist history and the religious history of our country. No pains or expense have been spared to make this collection as complete as possible; and it is safe to say that it is the most perfect, and, indeed, the only collection of its kind in the world. It will be invaluable to the future historical writers of the Baptist denomination, and cannot but be of great value to many others.

It is the intention of the Trustees, in connection with the completion of the new Library Building, to seek to enlarge the extent and the usefulness of the Library. A Librarian will be appointed who will give the most of his time to the care and development of the Library, and who, in addition to the usual work of a librarian, will afford personal aid to the students in laying out courses of reading, and will give a course of lectures on the true methods of reading and using books.

NATURAL SCIENCES.

The departments of Chemistry and Physics occupy the Laboratory building, and are furnished with very complete apparatus for all the purposes of instruction. New articles of apparatus are added constantly as they are needed. The enlargement of the courses in the department of Biology and Geology has necessitated an increase in the facilities for instruction. The department rooms, including the Museum of Natural History, are at present all in West College. The lecture room is furnished with oxy-hydrogen lantern and microscope, and a superior portelumiére for solar projections. The lecture room is also furnished with the State Geological Survey maps, the maps and charts of the United States Geological Survey and Bien's large colored Geological map of the United States; besides the Palæontological Charts and Ideal Geological Landscapes of Zittel and Hanshofer, of Munich, which are mounted for ready reference.

The equipment for illustration of the course in Physiology includes microscopes and prepared specimens, dissecting apparatus, an articulated skeleton, models of various organs, and charts.

The BIOLOGICAL LABORATORY was originally equipped by the purchase of apparatus with a fund provided by the class of 1889 as a class memorial. Numerous additions have since been made by funds appropriated by the University. The apparatus consists, in part, of a number of microscopes, with dissecting and compound section and injecting instruments, dissecting apparatus, aquaria, a lithological lathe, and a large collection of objects for

the microscope. Use is also made of the working collections of the Museum. A reference library of standard works is provided from the University library.

The MUSEUM OF NATURAL HISTORY contains the following collections:

The Douglass Herbarium, presented by Dr. J. S. Douglass, filling thirty-three volumes, and illustrating the flora of the northern United States.

The General Zoölogical Collection of alcoholic specimens of type forms. Many of these were collected by the late Professor W. R. Brooks, D. D., and have been re-bottled and classified together with additions collected and purchased.

The Conchological Collection, containing a large number of shells, of which the greater part are tropical species.

The Collection of Corals, valuable both by reason of the number of types it contains and the perfection and beauty of the specimens.

The Collection of Birds, including the birds of Europe, East Indies, and North America, secured for the University by Professor A. S. Bickmore of New York.

The General Geological and Palæontological Collection was purchased for the University by Mr. James B. Colgate: it has been labeled and catalogued, and arranged with reference both to chronological succession of periods and zoölogical order of forms.

The Students' Working Collection contains 1,500 to 2,000 Fossils, arranged zoölogically for laboratory work.

The Rocky Mountain Collection of Geological specimens and

Fossils, including fossil leaves from the Floresant beds, and fish from the quarries on Bald-Faced Mountain, Wyoming.

With this collection is a set of photographs of many of the exact localities where the specimens were obtained, together with illustrations of geological phenomena in the Yellowstone Park and elsewhere.

The Ward Casts of Extinct Vertebrates includes a series of the most important forms arranged according to the chronological order of their appearance in the geological fauna.

The Mineralogical Collection contains an extensive series of minerals catalogued and arranged.

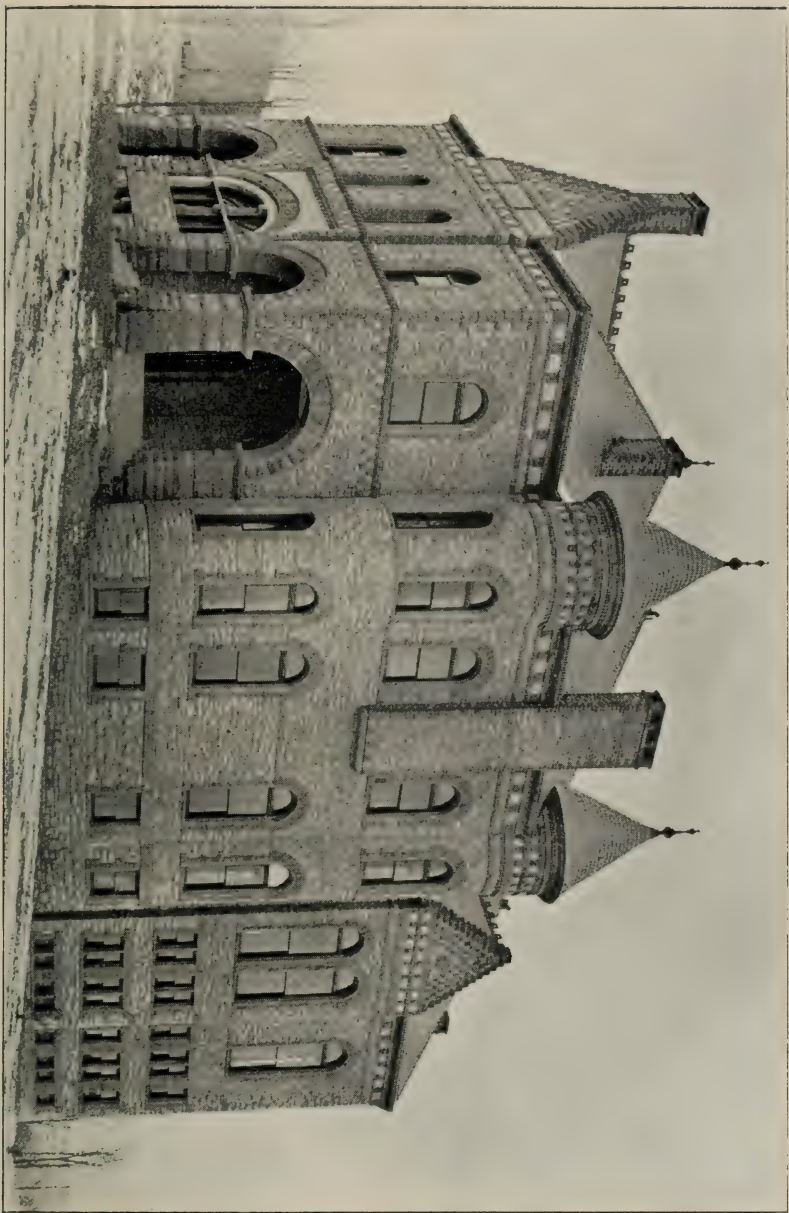


Class of '86 Memorial Window.

Religious Societies.

THE SOCIETY FOR INQUIRY is an organization which has been maintained by the students for upward of fifty years, for the purpose of creating and preserving an interest in the work of foreign missions. Besides occasional public lectures and sermons, it also sustains a regular monthly concert of prayer for missions, at which reports are presented on topics relating to missionary work. Through members and correspondents, the society has gathered a well selected Missionary Library of 800 volumes and a museum with a variety of curiosities from Greece, Hindostan, Burmah, Siam, China, Mexico, Africa and other missionary fields, illustrative of the customs, manners, arts, dress and religious rites of those countries.

THE COLLEGE YOUNG MEN'S CHRISTIAN ASSOCIATION is a large and enthusiastic organization, devoted to the sustaining and extension of religious life among the students. It sustains regular weekly meetings, a Bible Class, and Workers' Training Class, besides occasional public addresses through the year.



COLGATE LIBRARY

Expenses and Aid.

The necessary expenses of a student in Hamilton are exceedingly moderate as the following list will show. Tuition is fixed at a price much lower than that of most eastern institutions, while the dormitories furnish commodious and comfortable rooms at a price merely nominal. Moreover, to all worthy and capable students, aid is furnished by the Baptist Education Society of the State of New York and by numerous scholarships and premiums provided by the University. It is intended so far as possible, that no diligent or worthy student shall leave the institution for lack of means or fail of securing an education. The friends of the institution have made noble provision for this purpose, but the constant increase of the number of students and the extension of the usefulness of the University, make the need of further provision in aid of promising students imperative. It is hoped that those interested in higher education will be inclined to establish many other general scholarships, applicable at the discretion of the University to the assistance of worthy and capable young men.

EXPENSES.

The following list includes most of the necessary expenses of the undergraduate student for one year :

Tuition, \$30.00. Incidentals, \$15.00. Room rent, \$10.50 or \$15.00, according to the location of the room. To a student rooming alone, the rent is \$21.00 or \$30.00. Students for the ministry are allowed one-half of a \$21.00 room free, or its value \$10.50 a year, while occupying any room in the college dormitories, either alone or with others.

An additional fee is incurred by those students who pursue analytical work in the Chemical Laboratory. This sum, which is intended to cover the expense of chemicals, gas, and the use of heavy apparatus, is payable during the first half term of the course taken, and is as follows: For Course 5, \$5.00. For Courses 3, 4 or 7, \$10.00. For Course 6, extending through two terms, \$20.00. For Courses 8 and 9, extending through the greater part of one year, \$25.00. In addition each student is furnished with all necessary glassware at the cost price, and is charged with that which he breaks. A fee of \$3.00 per term will also be charged for the use of apparatus in the Biological Laboratory.

The above expenses are payable each term in advance, except as stated above. No deduction is made on account of absence, unless the student enter a lower class.

The fees for the degrees in course, including diploma, are five dollars each, payable in advance.

Board is obtained in clubs at an average cost of \$2.25 a week. In private families it varies from \$2.50 to \$3.50. The cost of board and room in private houses is from \$3.50 to \$4.50 a week. The students who room in the college dormitories furnish their own rooms. The care of the rooms is in part committed to the janitor, Mr. L. Gilmartin.

THE EDUCATION SOCIETY.

Students for the ministry, of suitable character and talents, may receive aid from the Baptist Education Society of the State of New York. The amount furnished varies somewhat according to the needs of the student and his position in the course of study. In addition to the regular contributions made to the society for this purpose, it also has control of a number of scholarships, the income of which is to be expended in the education of young men for the Christian ministry. All communications with reference to the amount and conditions of help for ministerial

students should be addressed to the Secretary of the Education Society, Rev. H. S. Loyd, D. D., Hamilton.

EDUCATION SOCIETY SCHOLARSHIPS.

The following Scholarships are available for the purposes of the Education Society:

The **Amos Smith** Scholarship, of \$30.

The **H. E. Thompson** Scholarship, of \$60, established by Mrs. H. E. THOMPSON, for the education of the sons of missionaries.

The **James Moore** Scholarship, of \$60.

The **Erastus Vilas** Scholarship, of \$60.

The **Jason C. Osgood** Scholarship, of \$60.

The **James Wager** Scholarship, of \$72.

The **Isaac Parker** Scholarship, of \$30.

The **Isaac Adams** Scholarship, of \$30.

The **Zilla Phillips** Scholarship, of \$72, established by Mrs. ZILLA PHILLIPS.

The **Alvah Pierce** Scholarship, of \$60.

The **J. B. Murray** Scholarship, of \$90.

The **Edward James** Scholarship, of \$60, established by Mrs. ANNA JAMES.

The **Mrs. H. H. Bandall** Scholarship, of \$90.

The **Martha Stuart** Scholarship, of \$60.

The **Philetus B. Spear** Scholarship, of \$60.

The **Everett Stickney** Scholarship, of \$78.

The **Norton** Scholarship, of \$72.

The **Jefferson Tillinghast** Scholarship, of \$72.

The **Isaac Briggs** Scholarship, of \$60.

The **Esther E. Otis** Scholarship, of \$60.

The **Carr** Scholarship, of \$60.

The **Martha Royce** Scholarship, of \$72.

The **Edward Judson Memorial** Scholarship, of \$126, established by the North Orange Baptist Church of North Orange, N. J.

The **V. L. Van Gaasbeck** Scholarship, of \$60.

The **Amelia L. Royce** Scholarship, of \$60.

The **Mrs. Priscilla Leach** Scholarship, of \$86.

The **Erasmus D. Garnsey** Scholarship, of \$60.

The **William Fairburn** Scholarship, of \$60.

The **Mrs. Joann Kelley** Scholarship, of \$120.

The **Ralph Johnson** Scholarship, of \$60.

The **Elizabeth Howell** Scholarship, of \$120.

The **Minerva Rausted** Scholarship, of \$90.

The **D. W. C. and Martha Loyd** Scholarship, of \$30.

The **Eliza M. Johnson Memorial** Scholarship, of \$60.

{ The **John McClelland** Scholarship, of \$60.

The **Harriet M. Hutchinson** Scholarship, of \$60.

The **Davis** Scholarship, of \$36.

Beside the above there are several scholarships yielding smaller amounts.

THE UNIVERSITY SCHOLARSHIPS.

The University also has at its disposal a number of scholarships, designed for all classes of students, whether students for the ministry or not.

The **Trevor Scholarships**.—A fund of \$40,000 has been given by the late **JOHN B. TREVOR**, of New York, to establish forty scholarships—twenty yielding \$30 a year each and twenty yielding \$90 a year each—for the benefit of those who have served in the army or navy of the United States. "Soldiers or their orphan sons, or sons not orphans, or their brothers or those dependent on soldiers for support—and in this order of preference—shall have the benefit of these scholarships."

The **Gano** Scholarship, of \$90, established by **Mrs. ELIZA ROGERS**, of Providence, R. I.

The **Eleanor F. Dodge** Scholarship, of \$60, established by **Mrs. E. DODGE**, of Hamilton, New York.

The **Edwards** Scholarship, of \$72, established by **HERVEY EDWARDS**, of Fayetteville, N. Y.

The **Van Antwerp** Scholarship, of \$60, established by **WILLIAM VAN ANTWERP**, of Albany, N. Y.

The **Palmer** Scholarship, of \$60, established by **NELSON PALMER**, of Athens, N. Y., class of 1849.

The **Coolidge Scholarship**, of \$54, established by **WILLIAM COOLIDGE**, of Madison, N. Y.

The **Phillips Scholarship**, of \$30, established by **THOMAS PHILLIPS**, of New York.

The **Crissey Scholarship**, of \$30, established by **BENJAMIN CRISSEY**, of New York.

The **Jefferson Tillinghast Scholarship**, of \$30, established by **JEFFERSON TILLINGHAST**, of Newport, N. Y.

The **Peddie Scholarship**, of \$30, established by **THOMAS B. PEDDIE**, of Newark, N. J.

The **Ingalls Scholarships**, two of \$30 each, established by Mr. and Mrs. **DAVID W. INGALLS**, of Hamilton, N. Y.

The **Benjamin F. Tillinghast Scholarship**, of \$60, established by **BENJAMIN F. TILLINGHAST**, of Cortland, N. Y.

The **Cynthia Burchard Andrews Scholarship**, of \$60, established by the late Mrs. **CYNTHIA BURCHARD ANDREWS**, of Hamilton, N. Y.

The **President's Scholarships**, ten of \$85 each, designed for young men of character and capacity not preparing for the Christian ministry.

The **Free Tuition Competitive Scholarships**.—Provision has been made for a number of competitive scholarships, which insure free tuition to successful contestants at the Entrance Examinations, for the entire college course. These scholarships have now been arranged for the States of New York, New Jersey, Connecticut, Vermont and Massachusetts.

Written applications may be made to the Treasurer of the University, Mr. W. R. Rowlands, Hamilton, or to any member of the Faculty, giving name, age, residence, purpose in study and means of support. Those who apply for one of the Trevor Scholarships should also state the military service performed. Those who wish to compete for one of the Free Tuition Competitive Scholarships, should correspond with the Dean of the Faculty.

PRIZES.

The Kingsford Prize Declamation.

Established by Thomson Kingsford, Esq., of Oswego, N. Y.

Premiums of valuable books, for the first and second prizes, are given on Commencement Day to the six successful competitors, out of the twelve speakers chosen from the Freshman, Sophomore and Junior Classes. Each class furnishes four representatives.

The Baldwin Greek Prizes.

These Prizes have been established for the Sophomore Class by Hon. D. P. Baldwin, LL. D., Class of 1856, Logansport, Ind. The examination, from printed papers, is exclusively in writing, and is upon some author, or work of an author, read by the class in the Spring Term of the Sophomore year. It embraces both grammar and subject-matter, with exercises in prose composition. There is a First Prize of \$18.00, and a Second Prize of \$12.00. No student can compete unless his standing in all departments averages at least 4. The award is made by some distinguished scholar not connected with the University. For the present year, the subject is the "Electra" of Sophocles. The examination will occur May 30, 1891.

The Osborn Mathematical Prizes.

These Prizes are provided for the Sophomore Class by ten of the Alumni and friends of the University. The examination, which is exclusively in writing, is on the subjects of Analytic Geometry and the Calculus. The Prizes, three in number, a First Prize of \$25.00, a Second Prize of \$20.00, a Third Prize of \$15.00, are awarded by some competent scholar, not connected with the University. No student is allowed to compete for these prizes, whose standing in this, or whose average standing in the other departments, falls below 4. For the present year the examination will occur June 6, 1891.

The Sophomore Latin Prizes.

The examination is in writing on some author, or work of an author, read during the third term of the Sophomore year. It includes, however, more

than is required of the class, and embraces translation, grammar, and subject-matter. There is a First Prize of \$25.00, and a Second Prize of \$15.00. No student is allowed to compete unless his average standing in all departments is at least 4. The award is made by some prominent scholar not connected with the University. The examination this year will be on Selections from the Satires of Juvenal and Persius, and will occur June 5, 1891.

The Allen Prize Essays.

Established by the Rev. George K. Allen, Class of 1870.

Two Prizes of \$17.00 and \$13.00 respectively, are awarded on Commencement Day to two members of the Sophomore Class, for excellence in English composition. For the present year the essay must be upon one of the following subjects:

1. Defoe and Stevenson as Novelists.
2. Carlyle's "French Revolution."
3. Gerrit Smith as a Reformer.

The Lasher Prize Essays.

Established by the Rev. George W. Lasher, D. D., Class of 1857.

Two Prizes of \$17.00 and \$13.00 respectively, are awarded on Commencement Day to two members of the Junior Class, for excellence in English composition. For the present year the following subjects have been assigned, one of which must be chosen:

1. Cardinal Newman as a Writer of English Prose.
2. The Beginnings of the English Novel.
3. The Necessity of Civil Service Reform.

The successful competitors will read their essays before the Faculty and students in chapel, on the Friday morning before Commencement.

The following regulations apply to both the Allen and Lasher Prize Essays:

1. Each Prize Essay must contain not more than fifteen hundred words, and must be so written that the manuscript will show broad margins, and be suitable for binding; it must be signed with fictitious name, and this fictitious name must be subscribed in the sealed note containing the writer's real name.
2. Before the day appointed for receiving the prize essays every competitor must register his name with the Professor of English.
3. The essays which receive awards will remain in the possession of the Librarian, and will not be returned to the writers.

The Lawrence Chemical Prizes.

Maintained by Mr. G. O. C. Lawrence, of Buenos Ayres, S. A.

Two Prizes of \$25.00 and \$15.00 respectively, are awarded, on Commencement Day, for excellence in Analytical Chemistry. The examination, which is exclusively in writing, is upon the subjects of General Chemistry, Qualitative Analysis, and Elementary Mineralogy as given in courses 1-5. Any student in this department, who is a candidate for a degree, may compete for these prizes, provided his work in all other departments is satisfactory, and his average standing in this department is not below 4. The next examination will occur June 3, 1891.

The Bushnell Historical Prizes.

Established by Wm. M. Bushnell, Esq., of St. Paul, Minn.

Two Prizes, of \$50.00 and \$25.00 respectively, are awarded on Commencement Day to two members of the Senior Class, for excellence in the presentation of some historical topic, such presentation to be by a thesis, not exceeding three thousand words, and subject to the Regulations for Prize Composition, with the following exceptions and additions:

1. Any member of the Senior Class, candidate for a degree, whose average standing is at least *medium*, who has maintained a standing of 4 in the Department of History, and who has completed History Courses 1-6, may compete.

2. The successful competitors will read their theses before the class. The theses will become the property of the Department of History, and will be reserved for publication.

For the present year the following themes are offered, one of which must be chosen:

1. The Progress of Republicanism among the Early American Colonies.
2. The Changes Wrought by William the Conqueror in the English Constitution.
3. The Genesis of the English Parliament.
4. The Failure of the States General of the Fourteenth Century.

The Clarke Prize in Oratory.

Established by Sidney Clarke, Esq., of Park River, No. Dakota.

The contest for this prize occurs at the opening of the Spring Term, and the prize of \$50.00, for excellence in oratory, is awarded on Commencement Day. The regulations for competition are as follows:

1. Any member of the Senior Class, candidate for a degree, who has maintained standing up to the term of competition, may present an oration.
2. The oration presented must contain not more than fifteen hundred words, and, in general, is subject to the Regulations for Prize Composition.
3. From the whole number of orations presented, six shall be selected for public delivery.
4. The prize shall be awarded on the ground of excellence both in composition and in delivery.

The following topics are offered for the present year, one of which must be chosen:

1. The Mantle of Livingstone.
2. The Black Battalion.
3. The Puritan and the Cavalier in American History.
4. The Place of Bismarck in the History of Germany.
5. The Monk as a Civilizer.
6. Slave and Master, or The Social and Economic Effects of Slavery.

The Class of 1884 Prize Debate.

The Class of 1884 have established a fund whose annual interest will maintain a public prize debate, to be held during Commencement week. The competitors will be chosen from the Graduating Class, and they will be selected from those who have made the highest averages in debate throughout the Senior year. The prizes are \$40.00 and \$20.00.

The Lewis Commencement Prize.

Established in Memory of George W. M. Lewis, of Utica, N. Y., by the late Professor John James Lewis, LL. D.

On Commencement Day of each year, the sum of \$60.00 will be awarded to that member of the Graduating Class who excels in the composition and delivery of an original oration.

Regulations of the Competition for the George W. M. Lewis Commencement Prize.

1. Every candidate for the degree of A. B. may be a competitor for the award.
2. Six and one-half minutes will be the limit of time for the delivery of every oration.
3. The Committee of Award will consist of five persons not residents of Hamilton.
4. The sum of \$60.00 will be awarded without division, to one orator before the close of the Commencement exercises.



Eaton Hall, Looking West.

Government.

SPECIAL REGULATIONS.

Few formal laws are laid down by the University for the government of its students. It is expected that each student, during his residence in the University, will conduct himself in all his relations as a gentleman. Beyond this, formal laws are unnecessary. Examinations, oral or written, are conducted each term in the studies of the term. These examinations are conducted publicly, by a committee appointed by the Faculty, and are made a test of the student's proficiency and qualification for advancement. Beside the examination each officer grades the scholarship of his students at each day's performance in the following scale of merit: *Maximum Grade*, 5; *Superior*, 4; *Medium*, 3; *Inferior*, 2; *Minimum*, 1. At the close of each term, the average standing is recorded.

No student shall be considered to have passed the term examination whose term standing shall not have reached at least 3, such term standing, to be made up from the mark for the term's work and the mark for examination, combined in the proportion of 4 to 1. No student, except by special vote of the Faculty, shall be advanced from any class to the next higher, unless he have an average standing of 3 in every department of study.

Delinquents in term examinations, who fail to present themselves at the special examination succeeding, or who fail to pass such examination, are deprived of all privileges of the class room, unless a postponement of examinations to a definite time is granted by special action of the Faculty. The above regulation applies also to students who for any reason shall fail to meet their appointments in Elocution or Oratory, and shall not have made up the same before the close of the term in which the appointments occurred.

If a student shall marry during his course of study, he thereby dissolves his connection with the University. The question of re-admission is subject to the discretion of the Faculty, but in no case shall he be allowed to reënter his class.

The Dean has the general supervision, under the Faculty, of the choice of elective studies. Students are required to register their choice on or before the first day of each term, but it is desirable that such choice be reported before the close of the preceding term. After the second Friday night of the term no changes will be allowed, and none before that time, except by special vote of the Faculty.

Students pursuing a select course, not candidates for a degree, may upon application to the President, receive a certificate stating the courses which they have successfully completed. No degree, however, can be conferred, or certificate given, unless the applicant shall have sustained a good moral character, settled all college bills, and returned all books to the Library.

Only those students who are candidates for a degree can com-

pete for prizes or other college honors. But all who enter the regular courses, candidates for a degree, are placed upon an equal footing in such competition, unless specified conditions are made.

No student is allowed to compete for any prize, unless he have passed all examinations prior to the term in which such competition takes place, and has also maintained standing during the term of competition. No credit in class standing is given for prize work. Students admitted to any class with conditions, must pass examination on the subjects in which conditions have been imposed, before competing for any prize.

In general, it is expected, that each student will be present at every exercise in the subjects which he is pursuing. In order, however, to cover all cases of necessary absence, an allowance in each department is granted, without incurring any disability and without affecting the record of the student for scholarship. In no case however, shall the absences from the exercises of any subject exceed one-tenth of the exercises of the term, unless the student be specially excused by the Faculty. Those who exceed the number of absences allowed, shall be considered as delinquents in the work of the term, and shall suffer such disability as the officer in charge of the department shall see fit to impose. In all cases in reckoning the number of absences, the first three or the last three recitation days of the term shall count double.

Students.

Undergraduate Department.

SENIOR CLASS.

[The Roman Numerals refer to the course pursued, see page 48.]

ADAMS, GEORGE DURWARD,	I. <i>Randallsville,</i>	16 W. C.
ALLEN, AUGUSTUS NICHOLS,	I. <i>Brookfield,</i>	Mrs. Campbell's.
BENNETT, WILLIAM MARVIN,	I. <i>Bainbridge,</i>	37 W. C.
BRAMAN, CHARLES FLETCHER, JR., V.	<i>Mount Morris,</i>	16 E. C.
BURCHARD, HERBERT MORSE,	I. <i>Hamilton,</i>	Mr. S. Burchard's.
CASE, CARL DELOS,	I. <i>Hutchinson, Minn.,</i>	25 W. C.
CLAPP, CHARLES RUSSELL,	III. <i>Ballston,</i>	Mr. E. E. Welton's.
COOK, EDWARD GLENN,	III. <i>Wilmington, Del.,</i>	Mr. C. D. Leach's.
DIVINE, FRANK HENRY,	I. <i>Binghamton,</i>	Montgomery Street.
EKELEY, JOHN BERNARD,	I. <i>Wahoo, Neb.,</i>	23 W. C.
ELLSON, JOHN V.	III. <i>Brooklyn,</i>	Milford Street.
HARMON, ERWIN CHARLES,	I. <i>Edwards,</i>	Mr. J. K. Sawdey's.
HARTNESS, ADONI JUDSON,	I. <i>North Gage,</i>	Δ γ House.
HIGGINS, JAMES JEROLAMAN,	I. <i>Flemington, N. J.,</i>	20 E. C.

HOLDRIDGE, NEWTON CLARK,	I. <i>Elm, N. J.,</i>	21 W. C.
JOHNSON, GOVE GRIFFITH,	I. <i>Burlington, Iowa,</i>	25 E. C.
KNIGHTS, GEORGE DICKER,	I. <i>Russia,</i>	37 W. C.
LOCKHART, ALBERT EDWIN,	I. <i>Madison,</i>	Mr. A. Swift's.
OSGOOD, DAVID FRANKLIN,	III. <i>Verona,</i>	15 E. C.
POTTER, ARTHUR BARLOW,	III. <i>Alpena, Mich.,</i>	15 E. C.
POTTER, FRANK HAZEN,	I. <i>Carthage,</i>	Δ γ House.
RACE, ERNEST ETHAN,	I. <i>Greene,</i>	Δ γ House.
ROWLANDS, WILLIS LOCKE,	V. <i>Utica,</i>	Mr. W. R. Rowlands's.
SMITH, ELMER WILLIAM,	I. <i>Gouverneur,</i>	Mr. J. K. Sawdey's.
WHALEN, HENRY JOSEPH,	I. <i>Hamilton,</i>	Madison Street.
YALE, HOMER FENTON,	I. <i>Bainbridge,</i>	27 E. C.

SENIORS, 26.

JUNIOR CLASS.

ALLEN, ARTHUR MOSELY,	I. <i>Georgetown,</i>	22 E. C.
BALDWIN, JAMES FOSDICK,	I. <i>Granville, O.,</i>	Mr. J. W. Davies's.
BECKWITH, GEORGE SHELDON,	I. <i>Schenectady,</i>	21 W. C.
BIGGS, LOUIS CARL HUESTIS,	I. <i>Boston, Mass.,</i>	25 E. C.
CARPENTER, DAN SHELDON,	I. <i>Westport,</i>	Mr. Bixby's.
CASE, EMMET INMAN,	I. <i>Plainfield, N. J.,</i>	32 E. C.
CHOLLAR, HARVEY WILLIAM,	I. <i>Homer,</i>	33 W. C.
FLETCHER, FRANCIS WAYLAND,	I. <i>Plantsville, Conn.,</i>	37 E. C.
GREGG, HUGH GILMORE,	I. <i>Barnes Corners,</i>	37 E. C.
HALAPLIAN, JACOB GEORGE,	I. <i>Aintab, Armenia,</i>	Mr. H. Tibbitt's.
HOWE, SHERMAN LORENZO,	I. <i>East Dover, Vt.,</i>	34 E. C.
KING, FRED HOWARD,	I. <i>Oswego,</i>	Mrs. A. M. Ingalls's.
KNIGHT, ARCHIBALD SMITH,	I. <i>Mexico,</i>	Δ γ House.
LEMON, CHARLES AUGUSTUS,	I. <i>Attica,</i>	32 W. C.
MARENES, BURTON HENRY,	I. <i>Norwich,</i>	24 W. C.
MCGREGORY, ALBERT COOK,	V. <i>Springfield, Mass.,</i>	Park House.
MERRIAM, EDWARD ALLEN,	V. <i>Clifford,</i>	3 E. C.
MURPHY, HOWARD WILLIAM,	III. <i>Albany,</i>	Mr. J. K. Sawdey's.
NOYES, PIERREPONT BURT,	I. <i>Kenwood,</i>	Δ γ House.
POTTER, HENRY STERLING,	I. <i>Carthage,</i>	32 E. C.

STOOS, HENRY NICHOLAS,	I. <i>Faribault, Minn.,</i>	24 E. C.
STURGES, JAMES VERNE,	I. <i>No. Norwich,</i>	24 W. C.
SUTPHIN, ARCHIBALD HEYER,	I. <i>Holmdel, N. J.,</i>	16 W. C.
TAYLOR, ARTHUR GRANT,	III. <i>Waverly, Pa.,</i>	33 W. C.
WAGER, CHARLES HENRY ADAMS, I.	<i>Cohoes,</i>	Mrs. M. A. Welton's.

Not Candidates for a Degree.

MALLARIAN, CASBAR HAGOP,	<i>Marsovan, Armenia,</i>	20 W. C.
STEBBINS, CHARLES MAURICE,	<i>Oneida,</i>	28 W. C.

JUNIORS,..... 27.

SOPHOMORE CLASS.

ANDERSON, JOHN BENJAMIN,	I. <i>Minneapolis, Minn.,</i>	29 W. C.
BACON, WALTER VALENTINE,	I. <i>Leyden,</i>	Dr. Tompkins's.
BELDEN, FRANK ORSON,	V. <i>Castile,</i>	Δ Y House.
BRAKER, GEORGE, JR.,	I. <i>Brooklyn,</i>	36 E. C.
BRIGGS, JOHN GALLUP, JR.,	I. <i>Cheney, Minn.,</i>	25 W. C.
BROKAW, LEWIS ELLSWORTH,	I. <i>New Market, N. J.,</i>	20 E. C.
BRYAN, THOMAS JOSEPH,	I. <i>Boston, Mass.,</i>	36 E. C.
COBURN, FRED EUGENE,	I. <i>Lowell, Mass.,</i>	13 W. C.
CREGO, HARRISON PARKER,	I. <i>Jackson, Mich.,</i>	Professor Moore's.
ELLIS, GEORGE SHELDON,	III. <i>Allegany,</i>	14 C. A.
ERDMANN, ADOLPH FREDERICK,	I. <i>Brooklyn,</i>	35 W. C.
FITCH, EVERETT HENRY,	I. <i>Noank, Conn.,</i>	17 W. C.
GRAY, ROLAND PALMER,	I. <i>New York,</i>	Mr. Patterson's.
HARMON, DWIGHT DANA,	I. <i>Lawrenceville, N. J.,</i>	34 E. C.
HENDRICKSON, JUDSON COOPER,	I. <i>Mexico,</i>	Mrs. D. P. Hill's.
HOWD, EMMOTT,	I. <i>Schenectady,</i>	22 W. C.
JOHNSON, EDWIN HOWARD,	I. <i>Brewster, Mass.,</i>	5 E. C.
LANG, GEORGE WELLS,	I. <i>Skaneateles,</i>	14 E. C.
LEONARD, JAMES SIDNEY,	III. <i>Hamilton,</i>	Mr. G. J. Leonard's.
MASON, FRANK HEATH,	I. <i>Greenwich,</i>	14 W. C.

MCALLISTER, HARRY JAMES,	I. <i>Towanda, Pa.,</i>	18 E. C.
MCLELLAN, ROBERT INGLIS,	I. <i>Glasgow, Scotland,</i>	48 E. C.
PARSONS, WALTER BERGEN,	V. <i>Red Bank, N. J.,</i>	Mrs. J. Pierce's.
PETTES, BENJAMIN HIRAM,	I. <i>Towanda, Pa.,</i>	18 E. C.
SMITH, PRESTON HOPKINS,	III. <i>Hamilton,</i>	Mr. L. M. Smith's.
SMITH, WILL BERTRAND,	I. <i>Brattleboro, Vt.,</i>	Mr. A. C. Waldron's.
TUPPER, EDWARD LEONARD,	I. <i>Raleigh, N. C.,</i>	Mrs. J. Pierce's.
WHITE, WILLIAM FRANK,	II. <i>Corning,</i>	Mrs. Mary C. White's.
WHITING, JAY EDWARD,	I. <i>Granville,</i>	Mr. O. Patterson's.
WOOD, IDELL HARTSON,	I. <i>Boonton, N. J.,</i>	Mr. A. C. Waldron's.

Not Candidates for a Degree.

CAIN, THOMAS,	<i>Brattleboro, Vt.,</i>	Δ Y House.
DEWEY, FREDERICK HALL,	<i>Mexico,</i>	Mrs. D. P. Hill's.
MOREY, WILLIAM JUSTUS,	<i>Burnt Hills,</i>	22 W. C.
POWELL, ENOCH,	<i>Troy,</i>	26 E. C.
SPOONER, FRANK MAYNARD,	<i>Solsville,</i>	32 W. C.

SOPHOMORES, 35.

FRESHMAN CLASS.

ALDEN, CHARLES A.,	I. <i>Hoosick Falls,</i>	9 W. C.
ALDRICH, CYRUS,	I. <i>Hamilton,</i>	19 E. C.
BECKER, FREDERICK CURTIS,	I. <i>Columbia, S. C.,</i>	40 E. C.
BLANDEN, MERRILL JAY,	I. <i>Belleville,</i>	37 E. C.
BRIGGS, GEORGE ALBERT,	I. <i>Hamilton,</i>	30 E. C.
BOWN, BYRON ARTHUR,	I. <i>Fairport,</i>	Δ γ House.
BROWNELL, CLARK TINKHAM,	I. <i>Cambridge,</i>	Dr. Maynard's.
CHENEY, SAMUEL TORREY REED,	I. <i>Jamaica, Vt.,</i>	49 E. C.
CHESTER, WAYLAND MORGAN,	I. <i>Noank, Conn.,</i>	17 W. C.
CLARK, VINTON ALBERT,	III. <i>Hamilton,</i>	Mrs. H. M. Clark's.
COBB, GEORGE WATSON,	I. <i>Fairport,</i>	Mrs. S. Baker's.
COLEGROVE, DWIGHT HEAMAN,	I. <i>Clinton,</i>	Mr. A. Dart's.
EDDY, BERT HENRY,	I. <i>West Brattleboro, Vt.,</i>	49 E. C.
EDWARDS, JAMES ROMULUS,	I. <i>Mt. Vernon Springs, N. C.,</i>	34 W. C.
HUNTER, WILLIAM, Jr.,	I. <i>Ilion,</i>	24 E. C.
LEETE, JOHN HOPKINS,	I. <i>Detroit, Mich.,</i>	Mr. Butler's.
LEONARD, WALTER ADNA,	I. <i>Hoosick Falls,</i>	9 W. C.
MARTIN, HERBERT E.,	I. <i>Homer,</i>	36 W. C.
METS, JAMES ANDREW, Jr.,	I. <i>Somerville, N. J.,</i>	21 E. C.

MORRIS, FRANK RICHARD,	I. <i>Portlandville,</i>	Δ γ House.
MORGAN, EDWIN,	I. <i>East Stroudsburgh, Pa.,</i>	41 E. C.
NEWELL, HARRY EMORY,	III. <i>Davenport,</i>	Mr. A. King's.
PEDDIE, JOHN WAYLAND,	I. <i>Philadelphia, Pa.,</i>	Dr. Maynard's.
PHELPS, CHARLES HOWARD,	I. <i>Central Bridge,</i>	38 E. C.
RIFENBURGH, GEORGE LAFAYETTE,	III. <i>Charlottesville,</i>	Mrs. Ingalls's.
RISLEY, ADNA WOOD,	I. <i>Syracuse,</i>	Mrs. C. F. Risley's.
ROGERS, ALFRED WILLIAM,	I. <i>Oneida,</i>	28 W. C.
SHELDON, EDWARD HOWARD,	III. <i>Wakefield, Mass.,</i>	30 E. C.
STARK, CLIFFORD,	I. <i>Waverly,</i>	Miss Berry's.
SCHMIDT, EMANUEL,	I. <i>Hadiksvall, Sweden,</i>	Prof. Schmidt's.
STELLE, WILLIAM BERGEN,	I. <i>Jersey City, N. J.,</i>	Mr. Hurn's.
STEVENSON, HUGH THOMAS,	I. <i>Albany,</i>	50 E. C.
STRONG, WILLIAM MAHLON,	I. <i>Factoryville, Pa.,</i>	41 E. C.
TAYLOR, JAMES PADDOCK,	I. <i>Hamilton,</i>	Prof. Taylor's.
VAN KIRK, HERBERT,	I. <i>Greenwich,</i>	14 W. C.
WELTON, BENJAMIN FRANKLIN,	III. <i>Hamilton,</i>	Mrs. Welton's.
WILSON, CHARLES CARL,	I. <i>Decatur, Ill.,</i>	39 E. C.
WINTERS, HARRY SUNDERLAND,	I. <i>San Mateo, Fla.,</i>	36 W. C.

Not Candidates for a Degree.

FOGG, MILLER MOORE, Jr.,	<i>Palermo, N. J.,</i>	13 W. C.
IRWIN, JOSEPH YOUNG,	<i>New York,</i>	31 E. C.
JOHNSON, LOZETTA DELOSIN,	<i>Pittsfield, Mass.,</i>	Mrs. West's.

MANY, JAMES WARREN,	<i>Mt. Vernon,</i>	Mrs. Able's.
NORTON, GEORGE ALSON,	<i>Oneida,</i>	Pine Street.
ROBINSON, ULYSSES GRANT,	<i>Rockford, Ill.,</i>	Prof. Goodenough's.
ROCKWELL, GEORGE WILLARD,	<i>Jersey City, N. J.,</i>	21 E. C.
SCOTT, JAY HUNTINGTON,	<i>Albion, Mich.,</i>	15 W. C.
SISSON, LOUIS EUGENE,	<i>Hamilton,</i>	Prof. Sisson's.
WILSON, JAMES ERWIN,	<i>Dundee,</i>	13 E. C.

FRESHMEN, 48.

The Theological Department.

[HAMILTON THEOLOGICAL SEMINARY.]

SENIOR CLASS.

ALDEN, EDWIN M. A. B., Rutgers College, 1888.	<i>Hoosac Falls,</i> Full Course.	23 Eaton Hall.
BENANDER, CHARLES E. Bethel Theological Seminary, Class of 1887.	<i>Stockholm, Sweden,</i> Full Course.	26 Eaton Hall.
CANDEE, ARTHUR L. Full Course.	<i>Easton, Conn.,</i>	College Street.
CASLER, GEORGE L. Full Course.	<i>Manlius,</i>	Absent the Fall Term.
CHURCH, ROBERT J., English, Two Years' Course.	<i>Smyrna,</i>	12 Eaton Hall.
COONS, WILLIAM S., A. B., Colgate University, 1888.	<i>Ballston,</i> Full Course.	12 Eaton Hall.
DANIELS, CHARLES S., Colgate University.	<i>North Adams, Mass.,</i> Greek Course.	17 Eaton Hall.
DIKE, OTIS A., A. B., Colgate University, 1886;	<i>Diana,</i> A. M., Colgate University, 1889.	Hamilton Street. Full Course.
HARLOW, DANA B., Full Course.	<i>Bedford, Me.,</i>	8 Eaton Hall.
JONES, EVAN M., English, Two Years' Course.	<i>Earlville,</i>	Earlville.
MALLORY, RICHARD B., Colgate University.	<i>Saratoga Springs,</i> Full Course.	29 Eaton Hall.
MARCY, SHERMAN H., B. P., Colgate University, 1888.	<i>Russia,</i> Full Course.	8 Eaton Hall.

OLMSTEAD, JOPSON M., Colgate University.	Lake City, Iowa, Full Course.	Payne Street.
PIERCE, CHARLES C., A. B., Colgate University, 1888.	Walton, Full Course.	23 Eaton Hall.
SMITH, HERBERT J., A. B., Colgate University, 1888.	Oswego, Full Course.	9 Eaton Hall,
SCOTT, ROBERT, Full Course.	Sennett,	College Street.
TAYLOR, ISAAC C., English, Three Years' Course.	Westerly, R. I.,	College Street.
TOWNSEND, DWIGHT C., A. B., Central University, 1887.	Tabor, Iowa, Full Course.	2 Eaton Hall.

SENIOR CLASS, 18.

MIDDLE CLASS.

BARRETT, FRANK C., A. B., Colgate University, 1888.	<i>Durhamville,</i> Full Course.	20 Eaton Hall.
BRUCE, ROBERT, A. B., Colgate University, 1889.	<i>Ottawa, Kan.,</i> Full Course.	John Street.
DARROW, WILLIAM E.,	<i>Brooklyn,</i> Full Course.	6 Eaton Hall.
DEWOODEY, CHARLES, Bucknell University.	<i>Franklin, Pa.,</i> Greek Course.	10 Eaton Hall.
FLETCHER, EDWIN N., A. B., Colgate University, 1886.	<i>Patten, Me.,</i> Full Course.	1 Eaton Hall.
GRINNELL, CLAYTON, A. B., Colgate University, 1888.	<i>Broadalbin,</i> Full Course.	3 Eaton Hall.
GUERNSEY, PETER B., A. B., Colgate University, 1889.	<i>Elmira,</i> Full Course.	30 Eaton Hall.
KNAPP, ALVAH E., A. B., Colgate University, 1889.	<i>Central Square,</i> Full Course.	32 Eaton Hall.
PASKO, WILLIAM J.,	<i>Oswego,</i> Greek Course.	11 Eaton Hall.
PRITCHARD, CHARLES W.,	<i>Memphis, Tenn.,</i> English, Three Years' Course.	14 Eaton Hall.
RETAN, FRED SMITH, A. B., Colgate University, 1889.	<i>Owasso, Mich.,</i> Full Course.	4 Eaton Hall.
ROWLEY, LOREN A., English, Two Years' Course.	<i>Troy,</i>	Maple Avenue.
SHOLAR, WILLIAM J., A. B., Colgate University, 1889.	<i>Raleigh, N. C.,</i> Full Course.	13 Eaton Hall.
STANTON, WILLIAM A.,	<i>San Mateo, Fla.,</i>	24 Eaton Hall.

MIDDLE CLASS,..... 14.

JUNIOR CLASS.

BACON, EMERY A., Colgate University.	<i>Shushan,</i> Full Course.	College Street.
DAVIS, WEBSTER S.,	<i>Smithston,</i> English, Two Years' Course.	16 Eaton Hall.
DESAUTELS, WILLIAM W., Kalamazoo College.	<i>Detroit, Mich.,</i> Full Course.	Eaton Hall, 15.
EHLE, ARCHIBALD I.,	<i>Johnston,</i> Greek Course.	Utica Street.
FORD, WILLIAM, A. B., Colgate University, 1890.	<i>Camden,</i> Full Course.	27 Eaton Hall.
GULLER, HENRY J., A. B., Colgate University, 1890.	<i>North Gage,</i> Full Course.	Broad Street.
GURNSEY, ROWLAND T., A. B., Colgate University, 1890.	<i>Woodhull,</i> Full Course.	28 Eaton Hall.
HIBBARD, GEORGE L., A. B. Colgate University, 1890.	<i>Southbridge, Mass.,</i> Full Course.	21 Eaton Hall.
IVES, HARVEY M., B. S., Colgate University, 1890.	<i>Meriden, Conn.,</i> Full Course.	24 Eaton Hall.
JOHNSON, GEORGE F., A. B., Colgate University, 1890.	<i>Norwich,</i> Full Course.	28 Eaton Hall.
KING, WALTER A., Colgate University.	<i>Hamilton,</i> Greek Course.	5 Eaton Hall.
KNAPP, ELMER E., A. B., Colgate University, 1890.	<i>Lebanon,</i> Full Course.	Broad Street.
MACMURRAY, DAVID A., A. B., Colgate University, 1890.	<i>Hamilton,</i> Full Course.	18 Eaton Hall.
MERRILL, HOWLAND C., A. B., Colgate University, 1890.	<i>Johnstown,</i> Full Course.	Montgomery Street.

RINES, GEORGE E., Colgate University.	<i>Brooklyn,</i> Full Course.	College Street.
SANFORD, JACOB,	<i>Elyria, O.,</i> Greek Course.	College Street.
SOUTHWORTH, VICTOR E., Colgate University.	<i>Walton,</i> Greek Course.	Mills Street.
WOODBURY, GEORGE F., A. B., Colgate University, 1890.	<i>North Winfield,</i> Full Course.	17 Eaton Hall.

JUNIOR CLASS, 18.

SUMMARY.

DEPARTMENT OF LETTERS:

Senior Class,.....	26	
Junior Class,.....	27	
Sophomore Class,.....	35	
Freshman Class,.....	48	
		<hr/> 136

DEPARTMENT OF THEOLOGY:

Senior Class,	18	
Middle Class,.....	14	
Junior Class,.....	18	
		<hr/> 50
Total,.....		<hr/> 186

ABBREVIATIONS.

E. C.,	East College.
W. C.,	West College.
A. H.,.....	Alumni Hall.
E. H.,.....	Eaton Hall.

Commencement Exercises.

Thursday, June 19, 1890.

INVOCATION.

MUSIC.

SALUTATORY ORATION IN LATIN, - - - WILLIAM FORD.

MUSIC.

ORATION—"Edward Bellamy's Vision," - - JOHN COLBY BROOKINS.

ORATION—"The Nation's Duty to an Alien Race," FRANK ARTHUR BUTLER.

ENGLISH ORATION—"The Duty of Society to the Criminal Classes,"—
WILLIAM FORDYCE FARGO.

MUSIC.

ORATION—"Joseph Warren the Patriot," - EDWARD ELLERY.

SCIENTIFIC ORATION—"The Influence of Environment,"—
HERVEY FOSTER MALLORY.

SOCIOLOGICAL ORATION—"The Sophistries of Socialism,"—
JOHN WILLIAM ROBERTS.

MUSIC.

ORATION—"The Triumphal March of Freedom," ELMER ELIAS KNAPP.

ETHICAL ORATION—"The Scholar as a Man of Faith,"—
WILLIAM JOSEPH EYLES.

HISTORICAL ORATION—"The World's Puritanism,"—
HOWLAND CYRUS MERRILL.

MUSIC.

ORATION—"The Call of the Hour," - - DAVID ADAMS MACMURRAY.

ORATION—"The Mission of the Brazilian Republic,"—
CHARLES EDWIN SPENCER.

PHILOSOPHICAL ORATION—"The Defeat of Individualism,"—
ULYSSES GRANT WEATHERLY.

CLASSICAL ORATION—"The Pan-American Congress and International
Arbitration," - - - WILLIAM MANGUSE.

MUSIC.

VALEDICTORY ORATION AND ADDRESSES—"The Statesmanship of Bismarck,"—
WALTER SCOTT LATTIMER.

MUSIC.

Conferring of Awards and Degrees.

BENEDICTION.

DEGREES.

Conferred June 19, 1890.

B. P.

WILLIAM HENRY WHALEN,.....*Geneva.*

B. S.

CHARLES DILLINGHAM,.....*Ogdensburgh.*BURROUGHS ELDRIDGE,.....*Woodbury, N. J.*HARVEY MILLER IVES,.....*Meriden, Conn.*

B. S. (ad eundem.)

LEVI TUPPER GIFFIN,.....*Oxford.*

A. B.

JOHN COLBY BROOKINS,.....*Norwich.*FRANK ARTHUR BUTLER,.....*Hamilton.*EDWARD ELLERY,.....*Albany.*WILLIAM JOSEPH EYLES,.....*St. Paul, Minn.*WILLIAM FORDYCE FARGO,.....*Dell Rapids, S. D.*WILLIAM FORD,.....*Camden.*FRANK AMNER GALLUP,.....*Hamilton.*HENRY JOHN GULLER,.....*North Gage.*ROWLAND TAYLOR GURNSEY,.....*Woodhull.*CLARENCE EVERETT HAWORTH,.....*Highland Park, Ill.*GEORGE LEONARD HIBBARD,.....*Southbridge, Mass.*HENRY PATRICK HYLAND,.....*Poolville.*GEORGE FRANK JOHNSON,.....*Norwich.*ALVAH EDWARD KNAPP,.....*Marblehead, Mass.*ELMER ELIAS KNAPP,.....*Hamilton.*

WALTER SCOTT LATTIMER,	<i>North Norwich.</i>
DAVID ADAMS MACMURRAY,	<i>Hamilton.</i>
HERVEY FOSTER MALLORY,	<i>Aurora, Ill.</i>
WILLIAM MANGUSE,	<i>Central Square.</i>
WILLIAM LUTHER MAYNARD,	<i>Hamilton.</i>
HOWLAND CYRUS MERRILL,	<i>Johnstown.</i>
ISAAC DAVIS MOORE,	<i>Millville, N. J.</i>
JOHN WILLIAM ROBERTS,	<i>Marcy.</i>
CHARLES EDWIN SPENCER,	<i>Euclid.</i>
CLARENCE NELSON SQUIRES,	<i>Hamilton.</i>
WALTER DEMING ST. JOHN,	<i>Albany.</i>
KIRK WILLIAM THOMPSON,	<i>Brookfield.</i>
ULYSSES GRANT WEATHERLY,	<i>Owatonna, Minn.</i>
GEORGE FOSTER WOODBURY,	<i>North Winfield.</i>

A. M. (in course.)

DAVID WILMARTH BROWN,	<i>Factoryville, Pa.</i>
MATTHEW WILLIAM GILBERT,	<i>Nashville, Tenn.</i>
EDWARD MARSHALL JEFFERS,	<i>Mecklenburgh.</i>
ALBERT JOHN KIMMEL,	<i>Elk Point, S. D.</i>
WILLIAM FRANKLIN LANGWORTHY,	<i>Factoryville, Pa.</i>
HOMER CHILD LYMAN,	<i>Cincinnati, O.</i>
SEDGWICK MATHER,	<i>Cold Spring.</i>
OSCAR REED MCKAY,	<i>Des Moines, Ia.</i>
EDWARD EVERETT WHITFORD,	<i>New London, N. H.</i>
WILLIAM CALVIN WHITFORD,	<i>Brookfield.</i>

A. M. (ex honore.)

REV. S. F. CALHOUN,	<i>Orwell, Vt.</i>
REV. F. A. D. LAUNT,	<i>Auburn, N. Y.</i>
REV. P. V. LINDSAY,	<i>Rochester, N. Y.</i>

Ph. D.

PROF. GEORGE A. WILLIAMS,	<i>Saxton's River, Vt.</i>
---------------------------------	----------------------------

LL. D.

HON. ANDREW S. DRAPER,	<i>Albany, N. Y.</i>
------------------------------	----------------------

HONORS.

Honors in the Class of 1890.

Valedictory Oration,.....	WALTER SCOTT LATTIMER.
Salutatory Oration,.....	WILLIAM FORD.
Classical Oration,.....	WILLIAM MANGUSE.
Philosophical Oration,.....	ULYSSES GRANT WEATHERLY.
Historical Oration,.....	HOWARD CYRUS MERRILL.
Ethical Oration,.....	WILLIAM JOSEPH EYLES.
Sociological Oration,.....	JOHN WILLIAM ROBERTS.
Scientific Oration,.....	HERVEY FOSTER MALLORY.
English Oration,.....	WILLIAM FORDYCE FARGO.

The Class of 1884 Prize Debate.

THE RESOLUTION: *Resolved*, That the colonization of the negro would be beneficial to the United States.

Affirmative—WILLIAM FORD, W. S. LATTIMER, C. E. SPENCER.

Negative—EDWARD ELLERY, E. E. KNAPP, D. A. MACMURRAY.

ELMER ELIAS KNAPP, *First*..

WALTER SCOTT LATTIMER, *Second*..

Committee of Award, {	Rev. A. E. WAFFLE,	Jamestown.
	Rev. GEO. C. BALDWIN, JR.,.....	Springfield, Mass.
	R. WALKER, D. D. S.,.....	Owego.
	Rev. P. H. MOORE,.....	Nowgong, Assam.
	F. D. H. COBB, Esq.,.....	Rochester.

The Clarke Prize in Oratory.

Contestants—F. A. BUTLER, W. J. EYLES, H. M. IVES, E. E. KNAPP, D. A. MACMURRAY, H. F. MALLORY.

Awarded to.....FRANK ARTHUR BUTLER.

Subject—*The Oratory of Daniel Webster.*

Committee of Award, {	Principal JOHN GREENE, Ph. D.,.....	Hamilton.
	Hon. JOSEPH MASON,	Hamilton.
	Prof. J. M. TAYLOR,	Hamilton.
	Rev. J. B. MURRAY, D. D.,	Auburn.
	Rev. H. H. PEABODY, D. D.,	Rome.

The Bushnell Historical Prizes.

1. Louis VI, the Founder of the French Monarchy,
ULYSSES GRANT WEATHERLY.
2. The Old English Kingship,..... WILLIAM FORD.
Committee of Award, Prof. S. M. MACVANE, Harvard University.

The Lawrence Chemical Prizes.

- JOHN BERNARD EKELEY,.....*First.*
 ARTHUR BARLOW POTTER,.....*Second.*
 Committee of Award, Prof. E. P. HARRIS, Jr., Ph. D., Amherst College.

The Lasher Prizes in English Composition.

- ERWIN CHARLES HARMON,.....*First.*
 CARL DELOS CASE,.....*Second.*
 Committee of Award, Prof. T. WHITING BANCROFT, A. M., Brown University.

The Allen Prizes in English Composition.

- ARTHUR GRANT TAYLOR,.....*First.*
 GEORGE SHELDON BECKWITH,.....*Second.*
 Committee of Award, Prof. CLINTON SCOLLARD, Hamilton College.

The Baldwin Greek Prizes.

- ELMER TILSON STEVENS,.....*First.*
 JAMES FOSDICK BALDWIN,.....*Second.*
 Committee of Award, Prof. B. I. WHEELER, Ph. D., Cornell University.

The Osborn Mathematical Prizes.

- DAN SHELDON CARPENTER,.....*First.*
 ALBERT COOK MCGREGORY,.....*Second.*
 SHERMAN LORENZO HOWE,.....*Third.*
 Committee of Award, Prof. JAMES McMAHON, Cornell University.

The Sophomore Latin Prizes

- JAMES FOSDICK BALDWIN,.....*First.*
 BURTON HENRY MARENES,.....*Second.*
 Committee of Award, Prof. FRANK SMALLEY, A. M., Syracuse University.

The Eleventh Kingsford Prize Contest.

CLASS OF 1891.

WILLIAM MARVIN BENNETT.....	<i>First.</i>
HERBERT MORSE BURCHARD.....	<i>Second.</i>

CLASS OF 1892.

JAMES VERNE STURGES.....	<i>First.</i>
EMMET INMAN CASE.....	<i>Second.</i>
FRED HOWARD KING.....	<i>Special Prize.</i>

CLASS OF 1893.

ROLAND PALMER GRAY.....	<i>First.</i>
WALTER BERGEN PARSONS.....	<i>Second.</i>

Committee of Award.	{	Hon. THOMAS L. JAMES, LL. D.....	New York.
		The Rev. C. H. MERRILL,.....	Johnstown.
		The Rev. J. L. RAY,.....	Brooklyn.
		The Rev. B. F. LEIPSNER,.....	Philadelphia, Pa.
		The Rev. M. W. GILBERT,.....	Nashville, Tenn.

The Dodge Prizes.—Entrance Examination.

Of those Entering from Colgate Academy.

FRANK RICHARD MORRIS.....	<i>First.</i>
M. CLIFFORD STARK.....	<i>Second.</i>
EMMANUEL SCHMIDT.....	<i>Third.</i>

Of those entering from other Preparatory Schools.

HARRY SUNDERLAND WINTERS.....	San Mateo, Fla.
<i>Prepared at Stetson University, DeLind, Fla.</i>	

THE ALUMNI ASSOCIATION.

The members of this Association consist of Graduates from any one of the courses of study in Colgate University or Hamilton Theological Seminary, and of such persons as have received Honorary Degrees from the University. These, after application, are elected at the Annual Meeting. It also includes Associate Members, duly elected at the Annual Meeting.

OFFICERS FOR 1890-91.

PRESIDENT,

REV. J. W. FORD, D. D., ('69,) St. Louis, Mo.

VICE PRESIDENTS,

REV. H. O. ROWLANDS, D. D., ('72,) Chicago, Ill.

J. L. HEFFRON, M. D., ('73,) Syracuse, N. Y.

E. W. DOUGLAS, Esq., ('77,) Troy, N. Y.

J. P. ALLDS, Esq., ('83,) Norwich, N. Y.

TREASURER.

PROF. J. M. TAYLOR, ('67,) Hamilton, N. Y.

SECRETARY,

C. W. UNDERHILL, Esq., ('62,) Hamilton, N. Y.

ORATOR AT COMMENCEMENT, 1891,

REV. A. E. WAFFLE, ('72,) Jamestown, N. Y.

ALTERNATE,

REV. G. H. HUBBARD, ('75,) Camillus, N. Y.

NECROLOGIST,

REV. H. H. PEABODY, D. D., ('65,) Rome, N. Y.

University Calendar.

1890.

- September 11.* Fall Term commenced, Thursday.
December 18, 19, 22. Term-Examinations, Thursday, Friday, Monday.
December 22. Fall Term closes, Monday.

CHRISTMAS VACATION.

1891.

- January 6.* Winter Term commences, Tuesday.
January 10. Special Examinations, Saturday.
January 29. Day of Prayer for Colleges, Thursday.
February 22. Holiday (Washington's Birthday).
February 25. Clarke Prize Orations presented, Wednesday Noon.
March 23-25. Term-Examinations, Monday, Tuesday, Wednesday.
March 25. Winter Term closes, Wednesday.

VACATION OF ONE WEEK.

- April 2.* Spring Term commences, Thursday.
April 4. Special Examinations, Saturday.
April 8. Lasher and Allen Prize Essays presented, Wednesday Noon.
April 10. Clarke Prize Exhibition, Friday.
April 29. Bushnell Historical Theses presented, Wednesday Noon.
May 7. Commencement Orations presented, Thursday Noon.
May 30. Holiday (Decoration Day), Saturday.
May 30. Baldwin Greek Prize Examination, Saturday.
June 3. Lawrence Chemical Prize Examination, Wednesday Afternoon.
June 5. Sophomore Latin Prize Examination, Friday Afternoon.

<i>June 6.</i>	Osborn Mathematical Prize Examination, Saturday.
<i>June 9-10.</i>	Examinations of the Senior Class, Tuesday, Wednesday.
<i>June 10-11.</i>	Term-Examinations, Wednesday, Thursday, Friday.
<i>June 15, 16.</i>	First Entrance-Examinations, Monday, Tuesday.
<i>June 15.</i>	Kingsford Prize Declamation, Monday Afternoon.
<i>June 16.</i>	Anniversary of Colgate Academy, Tuesday Morning.
<i>June 16.</i>	Class of 1884 Prize Debate, Tuesday Afternoon.
<i>June 16.</i>	Meeting of University and Education Boards, Tuesday.
<i>June 16.</i>	Meeting of Education Society, Tuesday Evening.
<i>June 17.</i>	Anniversary of the Seminary, Wednesday Morning.
<i>June 17.</i>	Meeting of the Alumni Association, Wednesday Evening.
<i>June 18.</i>	SEVENTY-FIRST COMMENCEMENT of Colgate University, Thursday.

VACATION OF TWELVE WEEKS.

<i>September 8-10.</i>	Second Entrance-Examinations, Tuesday, Wednesday, Thursday.
<i>September 10.</i>	Fall Term commences, Thursday.
<i>September 12.</i>	Special Examinations, Saturday.
<i>October 2.</i>	College Field-Day, Friday.
<i>November 3.</i>	Holiday (Election Day) Tuesday.
	Thanksgiving Recess, Thursday, Friday, Saturday.
<i>December 18, 21, 22.</i>	Term-Examinations, Friday, Monday, Tuesday.
<i>December 22.</i>	Fall Term closes.

CHRISTMAS VACATION.

INDEX.

- Absences**, Regulations concerning, 89.
- Academies**, Students admitted without examination from, 66, 67.
- Admission to Freshman Class**, 63; to **Advanced Standing**, 65; to **Special Course**, 65; by **Certificate**, 66, 67.
- Aid to Students**, 77-80.
- Allen Prize Essays**, 83.
- Alumni Hall**, 68.
- Alumni Association**, 111.
- Anglo Saxon**, Courses in, 28.
- Arabic**, Courses in, 27.
- Aramaic**, Courses in, 26.
- Art**, History of, Course in, 45.
- Assyrian**, Course in, 27.
- Bachelors'** Degrees, 48-60; Arts, 48, 51, 52; Philosophy, 48, 53, 57; Science, 48, 57-60.
- Baldwin Greek Prizes**, 82.
- Baptist**, Collection of Documents, 73.
- Biblical Literature**, Department of, 31, 32; Required for graduation in, 51-60.
- Biology and Geology**, Department of, 37, 38; Required for graduation in, 57, 59; Equipment of Department, 73, 74; Post-graduate Studies in, 62.
- Botany**, Courses in, 38; Required for graduation, 57, 59; Equipment of Department, 73, 74.
- Buildings and Grounds**, 68.
- Bushnell Historical Prizes**, 84.
- Calendar**, 1890 and 1891, 113.
- Chemistry**, Department of, 39-41; Required for graduation, 48-60; Required for admission, 65; Prize, 83; Award for Excellence in, 109; Equipment of Department, 69; Post-graduate Studies, 62; Expense of Course, 78.
- Christian Ethics**, Evidences, 46; Required for graduation, 52, 54, 56, 58 and 60.
- Clarke Prize in Oratory**, 84.
- Class of 1884 Prize Debate**, 85.
- Class of 1886 Memorial Window**, 76.
- Class of 1889 Memorial Equipment of Biological Laboratory**, 73.
- Colgate Academy**, Founding of, 6; Catalogue of, 4.
- Colgate Library Building**, 69, 70; Cut of, 76.
- Colgate Library**, Collection of Baptist Documents, 72.
- Colgate University**, Historical Sketch, 5.
- Commencement**, Exercises of 1890, 105; Prizes Awarded, 82-85; Who may take part in, 65, 89.
- Contents**, Table of, 3.
- Corporation**: of University, 8; of Education Society, 5-7.
- Courses**: General Courses in Arts, 48, 51, 52; Letters and Philosophy, 48, 53-57; Letters and Science, 48, 57-60.
- Degrees**, Bachelors', 48-60; Masters', 61, 62, Regulations concerning, 88; Candidates for, 90-98; Conferred in 1890, 106.
- Delinquents**, Term Examinations, 88.
- Dodge, President E.**, Biographical Sketch of, 15.
- Eaton Hall**, Relations to Theological Seminary, 6; Erected, 68; Cut of, 86; Students occupying, 99.
- Education Society**, Trustees, 10; Relation to University, 5-7; Aid to Ministerial Students, 78; Scholarships of, 79.
- Elective Studies**, 49, 50; Regulations Governing, 88, 89.
- Engineering**, Courses offered in, 35, 36; Requirements for Graduation, 58, 60.
- English Language and Literature**, Department of, 27-29; Required for Graduation, 51-60; for Admission, 63; Post-graduate Studies, 61.
- Errata**, 4.
- Ethiopic**, Course in, 27.
- Evidences of Christianity**, 46; Required for Graduation, 52, 54, 56, 58, 60.
- Examinations**, Entrance, 65; Competitive Entrance, 66; Term, 87; Delinquents, 88.
- Faculty**, of the University, 12-14; Department of Letters, 19-20.
- Founding of Colgate University**, 5-7.
- French**, Courses in, 29-30; Requirements for Graduation, 49, 50, 53, 55, 58, 60; for Admission, 65; Post-graduate Studies, 61.
- Freshman Class**, Admission to, 63-65; Required Studies of, 48-60; Students in, 96-98; Prize in, 82.
- Geology**, Courses in, 39; Required for Graduation, 57, 59; Equipment of Department, 73.
- German**, Courses in, 30; for Graduation, 48-60; Admission, 65; Post-graduate Studies, 61.
- Government**, 87-89.
- Graduate Studies**, 61-62.
- Graduation**, Requirements for, 48-60.

Greek, Departments of, 23; for Graduation, 48, 49, 51-53; for Admission, 64; Prizes, 82; Award of Prizes, 109; Post-graduate Studies in, 61.
 Grounds, 63

Hamilton Theological Seminary, Relation to University, 5-7; Dodge Professor in, 55; Catalogue of Students, 99.
 Hebrew, Courses in, 26.
 History, Department of, 41-44; Admission, 64; Prizes, 84; Graduate Studies, 61; Award of Prizes, 109.
 Honors, Who May Compete for, 65, 89; Awarded in 1890, 108.

Inquiry, Society for, 76.
 International Law, Course in, 43.
 Italian, Course in, 31; Post-graduate Studies, 61.

Junior Class, College, Required Studies for, 48-60; Prizes in, 83, 84; Students in, 92, 93; Admission to, 65; Theological Department, 99.

Kingsford Prize Declamation, 82.

Laboratory, Chemical, 69; Biological, 73.

Lasher Prize Essays, 81; Awarded, 109.
 Latin, Department of, 22; Admission, 64; Graduation, 51, 52, 55, 57; Graduate Studies in, 61; Prize, 82; Award of Prize, 109.

Lawrence Chemical Prizes, 84; Awarded, 109.

Lewis Commencement Prize, 85.
 Library, University, 71; President Dodge, 71; William Ward Memorial, 71; Isaac Davis Collection, 71; Samuel Colgate Collection Baptist Documents, 72; Building, 69, 70.

Logic, Course in, 45; Required for Graduation, 52, 54, 56.

Masters' Degrees, 61, 62.

Material Equipment, 68-75.

Mathematics, Department of, 33-35; Graduations, 48-60; For Admission, 63; Graduate Studies, 62; Prize in, 82; Award of Prize, 109.

Mechanics and Engineering, Department of, 35, 36; For Graduation, 49, 60; Admission, 65; Graduate Studies, 62.

Mineralogy, Course in, 40.

Ministerial Students, Aid to, 78.

Missionary, Society for Inquiry, 76.

Modern Greek, 25.

Modern Languages, Department of, 29-31; For Graduation, 53-60; For Admission, 64, 65; Graduate Studies, 62.

Museum, Collections of, 74-75.

Oratory, Course in, 32, 33; For Graduation, 48-60; Prizes in, 84, 85; Award made, 108.

Osborn, Mathematical Prizes, 82.

Philosophy, Department of, 45-47; For Graduation, 48-60; Graduate Studies, 61.
 Physiology, Course in, 38; Required for Graduation, 57-59.

Psychology, Course in, 46; For Graduation, 52, 54, 56, 58, 60.

Political Economy, Department of, 44, 45; For Graduation, 52, 54, 56, 58, 60.

Post-Graduate Studies, 61, 62.

Prizes, 82-86; Requirements for Competition, 88, 89; Award, 1890, 108.

Regulations, Special, 87-89.

Religious Societies, 76.

Rhetoric, Department of, 32, 33; for Graduation, 48-60; Admission, 63; Prizes, 83; Awards made, 108.

Roman Law, Course in, 43.

Sciences, Equipment of Departments, 73-75.

Scientific Courses, 57-59.

Scholarships, Education Society, 79; University, 80.

Seminary Courses, Latin, Teacher's Course, 23; Greek, 24; English, 28, 29; American History, 44; English Constitutional History, 43.

Semitic Languages, Department of, 26, 27; Post-graduate Studies, 61.

Senior Class, Studies of, 48-60; Admission to, 65; Prizes of, 84-86; Students in College, 90, 91; Theological Department, 99, 100.

Socialism, Contemporary, Course in, 45.

Sophomore Class, Required Studies in, 48-60; Students, 94, 95; Prizes in, 82, 83; Admission to, 65.

Special Course, Admission, 65; Certificate, 88.

Standing, How Determined, 87.

Students, Catalogue of, in Undergraduate Department, 90-98, in Theological Department, 99.

Syriac, Course in, 26, 27.

Teachers, Seminary in Latin for, 23; Advantages Offered to, 50.

Young Men's Christian Association, 76.

Zoology, Course in, 38; Required for Graduation, 57-59; Equipment of Department, 73-75.

ANNUAL CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF
COLGATE UNIVERSITY,
FOR THE YEAR 1891--92,
AND
ANNOUNCEMENT
OF
Courses of Instruction of the Departments of Letters, Science and
Philosophy for the Year 1892--93.



COLGATE UNIVERSITY,
HAMILTON, MADISON CO., N. Y.

=====

HAMILTON REPUBLICAN PRINT,
HAMILTON, N. Y.

=====

CONTENTS.

	PAGE.
Note,.....	4
Colgate University,.....	5
Corporation of the University,.....	8
Faculty of the University,.....	13
Organization,.....	15
Departments of Instruction,.....	16-44
Requirements for Graduation,.....	45-57
Post-Graduate Studies,.....	58
Requirements for Admission,.....	60
Material Equipment,.....	64
Religious Societies,.....	72
Expenses,.....	73
Resources and Aid,.....	75
Prizes,.....	79
Government.....	83
Students,.....	86
Summary,.....	96
Commencement Exercises, 1891,.....	97
Degrees Conferred, 1891,.....	98
Honors Conferred, 1891,.....	100
The Alumni Association,.....	103
Calendar, 1892-93,.....	104
University Calendar,.....	105
Index,.....	107

NOTE.

For a full Catalogue of the Theological Department, address, Rev. H. S. LOYD, D. D., Hamilton, N. Y.

For a Catalogue of the Colgate Academy, address, Principal JOHN GREENE, Ph. D., Hamilton, N. Y.

COLGATE UNIVERSITY,

Hamilton, N. Y.

“Colgate University” is the name of the Institution that from 1818 to 1846 was known as the Hamilton Literary and Theological Institution, and from 1846 to 1890 has been known as Madison University. The University is the child of the Baptist Education Society of the State of New York, and was originally founded for the sole purpose of preparing young men for the Christian ministry, being the first school established by Baptists in America, distinctively for ministerial education. The first students came early in the year 1818, but the school was not formally opened until the first of May, 1820. The course of study took form gradually, and not until 1829 was it regularly organized to cover four years. In 1832 it was extended to six years, and in 1834 two years more were added. The preparation for the ministry remained the purpose of the Institution for nearly twenty years, but in 1839 it was opened to young men who were looking to other professions.

The Education Society applied for a collegiate charter in 1840, and again in 1843, but failed in both instances because the legislature did not believe that from its constitution it was legally competent to hold and enjoy such powers. In 1846 a third application was successful. A new corporation was

formed, and full University powers and privileges were granted. The new body assumed the name of Madison University and undertook the collegiate and preparatory part of the educational work, leaving the theological department as before in the hands of the Education Society, with which it has ever since maintained friendly and helpful relations. In 1853 the Grammar School was organized, under the care of the University Board, and in 1875 this preparatory school received the name of Colgate Academy, and entered its own separate building, where it has grown to be a strong and successful institution. In 1886 the Hamilton Theological Seminary also entered a building of its own, known as Eaton Hall, and became possessed of a stronger and more independent life. The Education Society still directs the theological work, but by a compact between the two bodies the salaries of Professors in the Seminary are provided for by the treasury of the University.

There are now, therefore, three schools, the College or Department of Letters, the Academy or preparatory school and the Theological Seminary, each with its own organization and life, but united most closely in purpose and administration. The three are one in theory and in practice, while yet each is free to develop its own life and adopt special aims of its own. It is intended that one presidency, as in the past, shall unite the three, without interfering with their individuality. The purpose of the fathers to train young men for the Christian ministry has never been neglected by their successors, and the presence of a Theological Seminary and of a large proportion of ministerial students in all the undergraduate departments cannot fail to give quality to the life of

the place. The fathers opened the door, cautiously at first and unreservedly afterward, to young men who were not studying for the ministry, and in the administration of their successors there is equal welcome for students of all classes. The alumni of the University are found in all walks of life. Effort is constantly directed to the broadening and diversifying of the courses of study, in order that all students may find here what they need. The face of the University is turned forward, and there are abundant indications that the receiving of the new name is to mark the beginning of a new period of progress. The name, "Colgate University," though not received till after the death of President Dodge, is really his last gift. The change was approved by the Regents of the University of the State of New York, March 13th, and by the Supreme Court, April 22d, 1890.

CORPORATION OF THE UNIVERSITY.

JAMES B. COLGATE, PRESIDENT, New York.

ALVAH PIERCE, Hamilton.

DAVID A MUNRO, Camillus.

HON. ALBERT R. FOX, Sand Lake.

SAMUEL COLGATE, New York.

PROF. P. B. SPEAR, D. D., Hamilton.

REV. EDWARD LATHROP, D. D., New York.

HOSMER H. KEITH, Esq., Sioux Falls, S. Dak.

PROF. ALBERT S. BICKMORE, Ph. D., New York.

JOHN C. HOYT, Esq., Utica.

LEONARD W. CRONKHITE, Sandy Hill.

EDWARD AUSTEN, Glencoe, Md.

ISAAC JOHNSON, Yonkers.

RUSSELL WHEELER, Utica.

THOMSON KINGSFORD, Oswego.

ISAAC E. GATES, A. M., Orange, N. J.

REV. WILLIAM N. CLARKE, D. D., SECRETARY, Hamilton.

LEWIS E. GURLEY, Troy.

FRANCIS T. PIERCE, Hamilton.

DANIEL W. SKINNER, A. M., Hamilton.

GEORGE A. WOOLVERTON, Albany.

JOHN THORN, Utica.

JAMES C. COLGATE, A. M., New York.

GEORGE L. STEDMAN, Esq., Albany.

WILLIAM R. ROWLANDS, TREASURER, Hamilton.

PROVISIONAL COMMITTEE.

JAMES C. COLGATE, CHAIRMAN.

WILLIAM N. CLARKE, D. D., SECRETARY.

JOHN C. HOYT.

FRANCIS T. PIERCE.

DANIEL W. SKINNER.

DEPARTMENT OF

LETTERS, SCIENCE,

AND

PHILOSOPHY.

FACULTY.

PRESIDENT, AND BLEECKER PROFESSOR OF INTELLECTUAL AND MORAL
PHILOSOPHY.

PHILETUS B. SPEAR, D. D.,

PROFESSOR EMERITUS OF HEBREW AND LATIN.

ALEXANDER M. BEEBEE, D. D.,

PROFESSOR OF LOGIC.

LUCIEN M. OSBORN, LL. D.,

PROFESSOR OF PHYSICS AND ASTRONOMY.

N. LLOYD ANDREWS, PH. D., LL. D.,

PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE, AND DEAN OF
THE FACULTY.

JAMES M. TAYLOR, LL. D.,

PROFESSOR OF MATHEMATICS.

WILLIAM HALE MAYNARD, D. D.,

PROFESSOR OF POLITICAL ECONOMY.

SYLVESTER BURNHAM, D. D.,

PROFESSOR OF BIBLICAL LITERATURE.

JOSEPH F. MCGREGORY, A. M.,

PROFESSOR OF CHEMISTRY AND MINERALOGY.

BENJAMIN S. TERRY, A. M.,

PROFESSOR OF HISTORY AND POLITICAL SCIENCE.

WILLIAM H. CRAWSHAW, A. M.,

INSTRUCTOR IN ENGLISH AND ORATORY.

PROFESSOR OF ENGINEERING.

AARON H. COLE, A. M.,

INSTRUCTOR IN BIOLOGY AND GEOLOGY, AND CURATOR OF THE
MUSEUM.

NATHANIEL SCHMIDT, A. M.,

PROFESSOR OF SEMITIC LANGUAGES.

FREDERICK W. COLEGROVE, A. M.,

INSTRUCTOR IN THE LATIN LANGUAGE AND LITERATURE.

ROBERT W. MOORE, PH. B.,

INSTRUCTOR IN MODERN LANGUAGES.

JOHN B. EKELEY, A. B.,

ASSISTANT IN CHEMISTRY.

PETER B. GUERNSEY, A. B.,

ASSISTANT IN ELOCUTION.

ELMER W. SMITH, A. B.,

ASSISTANT IN ELOCUTION.

GOVE G. JOHNSON, A. B.,

ASSISTANT IN HISTORY.

SYLVESTER BURNHAM, D. D.,

LIBRARIAN.

ORGANIZATION.

THE METHODS AND COURSES OF INSTRUCTION IN THE SEVERAL DEPARTMENTS.

The organization of the University has been a gradual growth. Beginning in 1818 with one student and one instructor, the work of the institution has been steadily extended until at the present time there are fifteen distinctively organized departments, giving instruction in Philosophy, History and Political Science, Social Science, Art, Language and Literature, Mathematics and the Natural Sciences. Each department is under the control of a competent officer who is alone responsible for its aims and methods, and the efficiency of its work, and while holding certain definite and organic relations to the whole body of instruction, is left independent to seek development in the constant improvement of methods, the enlargement of scope, and the addition of new facilities.

The following is a detailed statement of the methods and courses of instruction of the several departments, prepared by the respective officers. Unless otherwise stated each course occupies one term.

THE DEPARTMENT OF LATIN.

The object of this department is to enable the student not only to read Latin with ease and rapidity but to appreciate the Latin literature and to understand the Roman life and civilization. During the early part of the course attention is given to forms, constructions and idioms. In connection with the reading of the Latin historians it is designed to show the place of Rome in history and her contributions to the development of civilization. The several authors read are considered with reference to their style, thought, and relation to their own times and to general literature.

The relation of Latin to English is also kept in view, and careful and idiomatic translations are insisted upon as a means of acquiring felicity and elegance of English expression.

First Year.

1. CICERO. The *De Senectute* is read and selections from the *De Amicitia* or from the *Letters*. Latin syntax is reviewed and daily practice given in pronouncing Latin according to the Roman method. *Scipio's Dream* is read at sight and at hearing. A study is made of the life and writings of Cicero and the sources from which his philosophy is derived.

M.—W., 11 A. M., Fall Term.

2. TACITUS. The *Germania* and *Agricola* are studied and selections from *Livy* or *Nepos* read at sight. There are informal lectures and discussions upon the life and writings of Tacitus and upon the history of Rome during the first century of the empire. The peculiarities of the Latin of the Silver Age as illustrated in Tacitus are noted. A study is made of Roman provincial government; the origin, characteristics, and mode of living of the ancient Germans, especially of the Angles and Saxons; and of the Celts in Britain.

M.—W., 10 A. M., Winter Term.

3. HORACE. The first three books of *Odes* are read. Latin prosody is studied with especial reference to the Horatian metres. Attention is directed to the historical setting of the *Odes* and to the geographical, mythological, and historical allusions contained in them.

M.—W., 10 A. M., Spring Term.

Second Year.

4. HORACE AND CATULLUS. The Odes of Horace are completed with the greater portion of his Satires, Epodes and Epistles. Selections are also read from the Poems of Catullus. Lectures are given upon Roman history from the founding of the city to the close of the reign of Augustus. One recitation each week is devoted to Wilkins' Primer of Roman Literature.

M.—F., 10 A. M., Fall Term.

5. JUVENAL AND PERSIUS. Selections from the Satires of Persius are read and those Satires of Juvenal which give so vivid a picture of the social life at Rome. Lectures are given upon the daily life of the Romans. The aim is to make the student familiar with the occupations and amusements of the various grades of Roman society.

M.—W., 9 A. M., Winter Term.

6. PLINY. Selections from the Letters of Pliny the Younger, are read. To render the student more familiar with the epistolary style selections are also made from the Letters of Cicero and Seneca. A study is made of the origin and development of Roman law, the organization and method of procedure in the law courts and senate.

M.—W., 9 A. M., Spring Term.

Third Year.

7. PLAUTUS AND TERENCE. The Captives and Rudens of Plautus are studied, the Phormio of Terence is read at sight. A study is made of the Roman drama with reference to its method of presentation and effect upon public morals. Attention is directed to the forms and idioms peculiar to the early Latin and to the historical development of the language.

W.—F., 11 A. M., Fall Term.

8. ROMAN LITERATURE. This course is intended to supplement the required work in Roman Literature and to give any who are preparing to teach an opportunity for a wider acquaintance with the Latin authors. Crutwell's Roman Literature and Sellar's Roman Poets are carefully read. Sight and required translations are made from the principal authors with whom the student is not already familiar.

W.—F., 9 A. M., Winter Term.

9. LATIN INSCRIPTIONS. Allen's Remnants of Early Latin is used as a text-book. The spelling, sound and inflexion of the early Latin are considered as a basis for studying the origin and determining the formation of the language.

Th. and F., 10 A. M., Spring Term.

Fourth Year.

10. **TEACHERS' SEMINARY.** Methods of teaching preparatory and college Latin are discussed. Recitations upon portions of the Latin required for admission to the University are conducted by the instructor and by members of the Seminary. Especial attention is directed to the philosophy and unsettled points of Latin syntax. The history of education and the contributions of prominent educators are considered.

Th. and F., 1:30 P. M., Winter Term.

W.—F., 10 A. M., Spring Term.

THE DEPARTMENT OF GREEK.

The ends primarily sought are intellectual discipline and literary culture. The translation of classic masterpieces is regarded as a most efficient means of developing the power of thought and of expression, and as tending most surely to the acquisition of a correct and discriminating literary sense. Greek literature is also treated as revealing the peculiar genius of an exceptionally gifted people, who made important and permanent contributions to human civilization. The critical study of their language is deemed valuable, not only for mental training, but as leading up, through a knowledge of their literature and their life, to a just appreciation of the real significance of ancient Greece to the world.

There are six prescribed courses of instruction given in the Freshman and Sophomore years. Three elective courses are open either to Juniors or to Seniors, and as the subjects offered are not the same in any two successive years, the study of Greek may be pursued, if desired, in every college term. The seminary method will be employed in elective courses, whenever it is most advantageous. Lectures upon Greek art are offered to Seniors.

First Year.

1. **EPIC AND LYRIC POETRY.** The *Odyssey* is taken up, or the later books of the *Iliad*. Special attention is given to the place of the Homer-

ic Poems in literature, to the characteristics of the heroic age, and to certain phases of Greek mythology. The work in Homer is followed by selections from the Lyric Poets, regarded as marking a transitional stage in the development of the language, and as illustrating the beginnings of a more subjective, reflective tendency in the Greek mind.

M.—W., 10 A. M., Fall Term.

2. HERODOTUS AND THUCYDIDES. Portions of these authors are read, with notice in the former of peculiarities of dialect, and in the latter of distinguishing features of style, while the mode of historical treatment in each is especially considered. Occasion is taken to give to the class as clear an outline as possible of the history of the Greeks down to the age of Pericles, with a view of encouraging more extended study.

M.—W., 9 A. M., Winter Term.

3. SOCRATES AND HIS AGE. The reading of Plato's *Apology* of Socrates, or parts of Xenophon's *Memorabilia*, serves for the study of Greek Life in the fifth century before Christ, and of the great personality that was so prominent a figure of the period. Regard is had both to the varied elements in the character of the people, and to the ethical side of Socrates' teachings.

M.—W., 9 A. M., Spring Term.

Second Year.

4. THE ORATORS. Demosthenes is studied, either in his *Oration on the Crown*, or in his *Olynthiacs* and *Philippics*. Attention is paid to the principles of oratory illustrated, to the governmental and social conditions favorable to eloquence, and to the distinctive qualities in the leading orators. Illustrative passages from various orators will be given by the Professor, or will be assigned for special readings. Methods of legal procedure are considered, the diverse political institutions of the Greek states, and the general course of their later history.

M.—W., 9 A. M., Fall Term.

5. THE TRAGEDIANS. Selected tragedies of Aeschylus, Sophocles, and Euripides are read, and prelections from other plays are given, in order to secure as large acquaintance as possible with the Greek tragedians. The class prepare essays upon topics related to the study of the Greek Drama, and upon Greek literature in general. In these essays, and in the discussions of the class-room, the principal Greek authors are

treated. In the reading of the dramatists, the style and ethical spirit of each is especially considered.

M.—F., 11 A. M., Winter Term.

6. COMEDY. Aristophanes' "Clouds" is taken up, not simply to enlarge the student's knowledge of the Greek stage, but to afford a fuller comprehension of those complex intellectual and moral movements of the times which are mirrored in the works of Aristophanes. In this course, as in that devoted to tragedy, comparisons will be indicated with the dramatic literature of the modern world. Readings from Lucian may accompany or be substituted for the work in Aristophanes.

M.—W., 11 A. M., Spring Term.

Third and Fourth Years.

7. PLATO. Either Plato's *Phædo* is read, or selections from his *Republic*. These works are studied in alternate years. The chief purpose is to furnish an introduction to Greek philosophy. Lectures are given upon Platonism, and essays upon the principal philosophers are assigned, with large reference to the bearing of Greek speculation upon modern thought.

M.—W., 11 A. M., Fall Term.

8. ARISTOTLE. Selections from his *Ethics*, read one year, are followed in the next by portions of his *Politics*. An attempt is made to show the general scope and spirit of Aristotelianism, and its influence upon mediæval philosophy. In place of readings in Aristotle, Plutarch's "*De Sera Numinis Vindicta*" may be studied, both for its moral significance, and as a specimen of the Common Greek.

M.—W., 10 A. M., Winter Term.

9. HELLENISTIC GREEK. The study of this late, but important phase of the language will be pursued by reading in alternate years selections from the Greek New Testament, and selections from the Septuagint. These will be treated on the linguistic side. Opportunity for direct acquaintance with the former is deemed important for every student of Greek, while the latter will be of service to any who contemplate theological study.

M.—W., 10 A. M., Spring Term.

10. MODERN GREEK. At the convenience of the officer, opportunity is also afforded to any who may desire it, for some acquaintance with Modern Greek.

Time of the exercise to be arranged on the organization of the class.

THE DEPARTMENT OF SEMITIC LANGUAGES.

First Year.

1. HEBREW: (1) Orthography, Morphology and Elements of Syntax (Harper). (2) Translation and study of Genesis, and Samuel or Kings.

M.—F., 2:30 P. M., Three Terms.

Second Year.

2. HEBREW: (1) Syntax (Harper, Kautzsch-Gesenius). (2) Interpretation of Isaiah (1891-92), Jeremiah (1892-93).

Th., 3:30 P. M., Fall and Spring Terms; 4:30 P. M., Winter Term.

3. PALESTINIAN ARAMAIC: (1) Grammar (Brown and Kautzsch). (2) Selections from the Targums. (3) Aramaic portions of Ezra and Daniel.

M.—F., 3:30 P. M., Winter Term, 1892.

4. CLASSICAL ARAMAIC (Syriac): (1) Grammar (Wilson and Nöldeke). (2) Selections from the Peshitta Version. (3) Selections from Specilegium Syriacum.

M.—F., 3:30 P. M., Winter Term, 1893.

5. ARABIC: (1) Grammar (Lansing and Caspari). (2) Selections from the Arabic Version of the Bible. (3) Some of the older Suras in the Quran.

W., 4:30 P. M., Three Terms.

6. ASSYRIAN: (1) Grammar (Lyon and Delitzsch). (2) Transliterated Texts. (3) Cuneiform inscriptions.

T., 4:30 P. M., Three Terms.

Third Year.

(FOR GRADUATES.)

7. HEBREW: (1) Prosody (Harper, Kautzsch, Wickes). (2) Interpretation of Job (1892-93).

F., 3:30 P. M., Fall and Spring Terms; 4:30 P. M., Winter Term.

8. HEBREW: (1) Grammar of the Mishnaic (Siegfried—Strack). (2) Selections from the Mishnah (1893-95).

F., 3:30 P. M., Fall and Spring Terms; 4:30 P. M., Winter Term.

9. PHOENICIAN: (1) Grammar (Schröder). (2) Select Inscriptions from Gesenius' Script. Ling. Phoen. Mon., and Corpus Inscr. Sem.

M. 4:30 P. M., Spring Term, 1893.

10. SAMARITAN: (1) Grammar (Nichols and Petermann). (2) Selections from the Samaritan Translation of the Pentateuch.

F. 4:30 P. M., Spring Term, 1892.

11. MANDAIC: (1) Grammar (Nöldeke). (2) Selections from the Genza and the Qolasta.

M. 4:30 P. M., Spring Term, 1892.

12. ETHIOPIC: (1) Grammar (Praetorius and Dillmann). (2) Ascensio Isaiae. (3) Selections from the Octateuch.

Th. 4:30 P. M., Three Terms.

13. COMPARATIVE SEMITIC PHILOLOGY: (1) General Semitic Grammar (Renan and Nöldeke). (2) Comparative Study of the Hebrew, Aramaic, Samaritan, Arabic and Ethiopic Texts of Gen. I-IV.

F. 4:30 P. M., Spring Term, 1893.

14. MESOPOTAMIAN CIVILIZATIONS: Lectures. Free attendance.

T. and W. 3:30 P. M., Fall Term, 1891.

15. SOCIAL AND POLITICAL HISTORY OF ISRAEL: Lectures. Free attendance.

T. and W., 3:30 P. M., Spring Term, 1892.

THE DEPARTMENT OF ENGLISH.

The objects sought in this department are mainly the following: *First*, such a general knowledge of the history of English literature as will give an adequate basis for the study of individual authors and works in their proper relations; *second*, a particular acquaintance with the great literary periods and with the most prominent authors in each; *third*, an understanding of the principles of literary criticism and of the laws which underlie the various forms of literary art; *fourth*, a scientific knowledge of the origin and development of the English language.

These objects are sought, not merely for their own sake, but as the means of developing a broad culture and a thorough appreciation of a great literature. It is intended, by the general arrangement of courses and by the plan of work in each, to combine the advantages of the historical and critical methods of literary study.

First Year.

1. THE HISTORY OF ENGLISH LITERATURE. This course presents a study of the history of English literature from its beginnings to the present time. The text-books used are Brooke's "Early English Literature," Saintsbury's "Elizabethan Literature," Gosse's "English Literature of the Eighteenth Century," and Dowden's "Modern Period of English Literature." These volumes are carefully read, and are supplemented in the class-room by discussions, readings, and written reviews. The constant endeavor is made to evolve a clear and definite historical outline, to present the various facts in their true proportion, and to leave so far as possible a vivid impression of leading authors and their work. This course extends through the whole year; and courses of reading will be suggested each term illustrative of the literary periods under consideration.

Th. and F., 9 A. M., Fall Term, 10 A. M., Winter Term,
9 A. M., Spring Term.

Second Year.

2. ANGLO-SAXON. Elementary course. The work of the term is based upon Sweet's "Anglo-Saxon Reader." The grammar is carefully studied; and special attention is given to acquiring facility in the reading of ordinary Anglo-Saxon prose. Selections are read from the Anglo-Saxon Chronicle, Ælfred, Ælfric, Wulfstan, and others. The relation of Anglo-Saxon to modern English is constantly emphasized; and the basis is laid for a proper study of the historical development of the English language.

Th. and F., 11 A. M., Fall Term.

3. ANGLO-SAXON. Poetry. Some of the most famous of the classical Anglo-Saxon poems are read, not only for their linguistic interest, but also as a revelation of the life and character of the Anglo-Saxon people. An outline of Anglo-Saxon literature is given; and the beginnings of modern English literature are traced. As a rule, "Beowulf" will be read in alternate years with Cædmon's "Exodus" and "Daniel" and Cynewulf's "Elene."

Th. and F., 2:30 P. M., Winter Term.

4. EARLY AND MIDDLE ENGLISH. From the Norman Conquest to the age of Elizabeth. The language is traced through the various stages

of its development from Anglo-Saxon to modern English; and observation is made as to the general character of the literature during these four centuries of transition. Representative selections are read in chronological order from Morris and Skeat's "Specimens of Early English." Special attention is given to the English of Chaucer and his contemporaries.

Th. and F., 2:30 P. M., Spring Term.

Courses 2, 3, and 4 are continuous, and are designed to give the student such a knowledge of the origin and development of the English tongue as will enable him to carry on his studies independently of the instructor.

5. ELIZABETHAN POETRY. This course is introduced by a study of Chaucer as the first great poet of the modern period. The literary and historical connections being made, the course is then devoted to the Elizabethan poetry. The purely poetical literature of the age is studied through the masterpiece of representative poets, special attention being given to the chief works of Spenser and Milton and to the Sonnets of Shakespeare. The work is carried on by means of lectures, discussions, reports, and critical essays, and is based upon a thorough course of poetical, historical, and critical reading. Vols I. and II. of Ward's "English Poets" are used as a partial basis for the work.

M.—W., 3:30 P. M., Fall Term.

6. ELIZABETHAN DRAMA. An historical and critical study of the rise, development, and characteristics of the English drama in the time of Shakespeare. The various stages of its growth are carefully noted; and critical study is made of representative works from leading dramatists. The dramas contained in Thayer's "Best Elizabethan Plays" are analyzed and discussed with the class; and other representative plays are considered by means of critical essays. The direct study of the plays is supplemented by a course of collateral reading.

M.—W., 2:30 P. M., Winter Term.

7. SHAKESPEARE. A critical study of representative dramas of Shakespeare. One play is carefully examined by means of lectures. Other plays are then studied by the class according to the methods thus illustrated, the several elements of each play being treated by means of class-room discussions and critical essays upon various topics. Effort is made to understand and appreciate the plays studied, and to arrive through them at a better knowledge of Shakespeare's dramatic art and of the principles of dramatic criticism. It is hoped that Courses 5, 6, and 7 will lay the basis for a true historical estimate of Shakespeare's work and genius.

M.—W., 2:30 P. M., Spring Term.

Third Year.

8. ENGLISH POETRY OF THE EIGHTEENTH CENTURY. A study of English poetry from Dryden to Burns. Representative poems are carefully studied; the masterpieces of the most prominent poets are discussed in critical essays; and the development of the poetry of the age through its various phases is investigated by means of collateral reading. The general method is similar to that followed in Course 5. Vols II. and III. of Ward's "English Poets" are used.

M.—W., 1:30 P. M., Fall Term.

9. ENGLISH POETRY OF THE NINETEENTH CENTURY. A study of English poetry from Wordsworth to the present time. The general method and objects are similar to those of Course 8. Vol. IV. of Ward's "English Poets" is used.

M.—W., 1:30 P. M., Winter Term.

10. AMERICAN POETRY. A study of the leading American poets and of the historical development of American poetry, on a plan similar to that of the two preceding courses.

M.—W., 1:30 P. M., Spring Term.

In Courses 5, 8, 9, and 10, special attention will be given to a consideration of the principles of criticism applicable to the various kinds of poetry.

11. ENGLISH PROSE. An historical and critical study of representative prose writers, not including the novelists. The historical development of English prose is rapidly traced by a study of typical specimens in Garnett's "English Prose from Elizabeth to Victoria." Critical essays on selected prose masterpieces are supplemented by discussions concerning authors, works, and literary principles. Minto's "Manual of English Prose Literature" is used as a text-book.

M.—W., 1:30 P. M., Fall Term.

12. ENGLISH FICTION. The rise, development, and characteristics of the English novel. Works of representative novelists are read, special attention being given to leading novels of Scott, Dickens, Thackeray, and George Eliot. Certain selected novels are treated by means of class essays. Special attention is given, by means of lectures and general discussions, to an examination of the laws of fiction and of the principles of criticism involved.

M.—W., 1:30 P. M., Winter Term.

13. AMERICAN PROSE. A study of representative American prose writers, including the novelists. Selected masterpieces will be treated by

means of essays; and authors, works, and literary principles will be freely discussed. An outline of American literature will be given.

M.—W., 1:30 P. M., Spring Term.

Courses 11, 12, and 13 will be given in alternate years with Courses 8, 9, and 10 respectively. Course 1 must precede the other courses. Courses 2, 3, and 4 must be taken in the order named. Students are strongly urged to take the elective literary courses in chronological order.

THE DEPARTMENT OF MODERN LANGUAGES.

It is the aim of this department: *First*, to give the student a technical knowledge of the more important languages of modern Europe sufficient to read their literatures with understanding, ease and enjoyment, without translation, and to translate ordinary English prose into idiomatic German or French; *Second*, to present to the student a general idea of the literary history of each language with a detailed statement of special important epochs; *Third*, by occasional lectures illustrated by the stereopticon, to give the student some idea of the cities, customs and life of the people whose language is studied; and *Fourth*, by means of weekly exercises at the house of the instructor to give advanced classes an opportunity to acquire the art of conversation in German and French.

First Year.

I. FRENCH. Special practice in pronunciation and in memorizing short selections. Systematic drill in Grammar, with special reference to syntax, rapid reading of selections from Souvestre, Mérimée, Augier and Labiche. For more advanced work, Corneille's "Le Cid" and "Le Menteur" and Racine's "Les Plaideurs."

This course extends through the entire year and is designed not simply as a foundation in acquiring a technical knowledge of the French language but also as an introduction to classic French literature. Accordingly during the third term of the year occasional lectures will be introduced.

Th. and F., 3:30 P. M., Three Terms.

Second Year.

2. GERMAN: Elementary course. Grammar (Whitney's Brief.) Practice in pronunciation and in memorizing short selections, systematic drill in grammar, with special reference to syntax. Rapid reading of modern works of fiction and history, including selections from Hauff, Heyse, Storm, and Freitag. The latter part of the course is given to German composition and to rapid and extended reading from such works as Schiller's "Das Lied von der Glocke," Goethe's "Hermann and Dorothea" (illustrated by stereopticon views) and Heine's "Die Harzreise."

Th. and F., 11 A. M.; Sat., 8:30 A. M., Fall Term.

Th. and F., 9 A. M.; Sat., 8:30 A. M., Winter Term.

Th. and F., 11 A. M.; Sat., 8:30 A. M., Spring Term.

Third Year.

3. FRENCH. Molière; "Les Précieuses Ridicules," "Le Tartuffe," "Le Misanthrope." Lectures on the French literature of the seventeenth century. Essays by class on topics relating to literary, social and intellectual life of France in the seventeenth century.

Th. and F., 10 A. M., Fall Term.

4. FRENCH: Literature of the eighteenth century. Lectures. Selections from Voltaire, Rousseau, Beaumarchais and Le Sage. Besides the works read in the class selections will be assigned for private reading upon which an examination will be held.

Th. and F., 4:30 P. M., Winter Term.

5. FRENCH: Literature of the nineteenth century. Lectures. Selections from Lamartine, Victor Hugo, Sainte-Beuve and Chateaubriand. Selections assigned to each member of the class for reading outside of the class-room upon which an examination will be required.

Th. and F., 10 A. M., Spring Term.

6. GERMAN. Lessing; "Minna von Barnhelm," "Emilia Galotti" and prose selections. Lectures on Lessing's work and influence in the regeneration of German literature. Introduction to Classic German literature. Especial attention given to the drama.

M.—W., 2:30 P. M., Fall Term.

7. GERMAN. Schiller; "Maria Stuart," "Jungfrau von Orleans," "Wilhelm Tell." Lectures, accompanied by an extensive collection of stereopticon views, on the important works of Schiller and on the classic German literature of the latter half of the eighteenth century. Essays by the class on topics connected with the reading.

M.—W., 3:30 P. M., Winter Term.

8. GERMAN. Goethe; "Götz von Berlichingen" or "Egmont," "Iphigenie auf Tauris" and "Torquato Tasso" (Thomas). The Life of Goethe in connection with selections from "Dichtung und Wahrheit." Lectures on Goethe's Work and Influence.

M.—W., 3:30 P. M., Spring Term.

Fourth Year.

9. GERMAN. Goethe's "Faust." Essays on literary and philosophical subjects suggested by the reading. Lectures on Faust, accompanied by an extensive series of stereopticon illustrations.

Th. and F., 2:30 P. M.; Sat., 9:30 A. M., Fall and Winter Terms.

10. GERMAN. Lyric poetry. Outline of German literature from the earliest times to the eighteenth century. Lectures.

Th. and F., 2:30 P. M.; Sat., 9:30 A. M., Spring Term.

11. ITALIAN: Elementary course. The purpose of this course is to acquire facility in reading. The time will therefore be devoted largely to drill in the grammar and to rapid reading of selections from Farina, de Amicis, dall' Ongaro and Manzoni. The student's knowledge of Latin and French will be put to constant use.

M. and Tu., 3:30 P. M., Fall Term.

M. and Tu., 4:30 P. M., Winter Term.

12. ITALIAN. Tasso; "Gerusalemme Liberata"; Dante, "L'Inferno"; an outline of Italian literature, with lectures and essays.

M. and Tu., 4:30 P. M., Spring Term.

THE DEPARTMENT OF BIBLICAL LITERATURE.

In this department, the books of the Bible are made the subjects of literary study and criticism. The Bible is considered simply as a collection of books, forming a unique national literature, which was a natural product of a peculiar national life, and was intended by its authors to be a help towards the securing of a national destiny in which they believed

and for which they hoped. The work of this department is arranged as follows:

1. **ANALYTICAL STUDIES:** A careful literary analysis of specimen books, including all kinds of the literature, is made. The object of this analysis is to determine the character of the contents of the book, in regard to both substance and form.

M. and Tu., 11 A. M., Winter Term.

2. **INDUCTIVE AND COMPARATIVE STUDIES:** (1) By careful observation, the essential characteristics of the various kinds of the literature contained in the Bible, are ascertained. Then, by inductions based upon these ascertained characteristics, the authors and the dates of the Biblical books are determined, so far as this is possible. (2) The agreements and differences of the various kinds of the Biblical literature, both in contents and characteristics, when compared with like kinds in other great literatures, are discovered; and the relative value of the Biblical literature, in comparison with these other literatures, is determined.

Th. and F., 11 A. M., Spring Term.

THE DEPARTMENT OF RHETORIC AND ORATORY.

It is the aim of this department to aid the student in the acquirement of a correct and forcible English style, to develop his powers of literary expression, and to cultivate proficiency in public address. The following courses extend over the four undergraduate years of the University, forming a complete and extended series, and are designed to afford any diligent student ample preparation for public life.

First Year.

1. **RHETORIC.** A study of the subject of style in Genung's "Practical Rhetoric." The various principles involved are illustrated by a study of selections from Genung's "Handbook of Rhetorical Analysis." The formal work in the text-book is supplemented by class-room discussions, criticism of essays, reference to Richard Grant White's "Words and Their Uses," Trench "On the Study of Words," etc.

Th. and F., 10 A. M., Fall Term.

2. RHETORIC. A study of the general processes of invention and of the several kinds of composition in Genung's "Practical Rhetoric." Illustration of principles by a study of selections from Genung's "Rhetorical Analysis." In addition to the formal work in the text-books, each member of the class is required to present themes, plans, and exercises in the various kinds of composition; and these are freely criticised before the class.

Th. and F., 9 A. M., Winter Term, and 10 A. M., Spring Term.

First and Second Years.

3. ORATORY. The formal study of the principles of Elocution is pursued throughout the whole of the first year, with one exercise a week. The text-book used is Russell's "Vocal Culture." In addition to the above, weekly exercises in declamation are continued through two whole years; and students receive private drill in preparation for each public appearance.

Sat., 8:30 A. M., throughout the Freshman year.

F., 1:30 P. M., throughout the Freshman and Sophomore years.

Third Year.

4. ORATORY. Exercises in the composition and delivery of orations are continued throughout the Junior year. Each production is read and criticised with the author by special appointment. A subsequent public appearance is required.

Fourth Year.

5. ORATORY. A course in forensics is offered as an elective two hour course to those students who have completed the preceding courses and who desire drill in extemporaneous speaking.

Tu., 2:30 P. M., Fall and Winter Terms.

THE DEPARTMENT OF PURE MATHEMATICS.

The courses of study in this department begin with the Freshman year, and may be continued, as required or elective studies, throughout the entire undergraduate course. The work is conducted by aid of text-books with informal lectures.

The aim of the instruction is to form habits of accurate and precise expression and to develop the power of independent and logical thought, as well as to teach the general methods and principles of each subject.

First Year.

1. GEOMETRY. Solid and Spherical; Exercises in Geometrical Invention and Applications; Theory of Limits.

M.—F., 9 A. M., Fall Term.

2. ALGEBRA. Theory of Equations; Differentiation of Algebraic, Logarithmic and Exponential Functions; Development of Functions in Series; Covergency and Summation of Series; Theory and Computation of Logarithms; Permutations, Combinations and Probability; Loci as Illustrative of the Theory of Equations

M.—F., 11 A. M., Winter Term.

3. PLANE TRIGONOMETRY AND SURVEYING. The Theory of the Trigonometric Functions and its application to the solution of plane triangles and to surveying.

M.—F., 11 A. M., Spring Term.

Second Year.

4. SPHERICAL TRIGONOMETRY. Napier's Rules and Analogies; Gauss's Equations, and their application to the solution of spherical triangles.

M.—W., 11 A. M., Fall Term, five weeks.

5. ANALYTIC GEOMETRY. The Straight Line, the Conic Sections, the General Equation of the Second Degree, and Higher Plane Curves, in Plane Geometry; and the Point, the Straight Line, the Plane, and Surfaces of Revolution, in Solid Geometry.

M.—W., 11 A. M., Fall Term, nine weeks, and

M.—W., 10 A. M., Winter Term.

6. CALCULUS. Differentiation and Practical Applications, Direct Integration and its Application to the Determination of Areas and Volumes, and the Rectification of Curves; Successive Differentiation; Evaluation of Indeterminate Forms; Development of Functions in Series; and Maxima and Minima.

This course may be elected by any student who has taken the first five courses. While designed to lay the foundation for the subsequent courses in this subject, it is adapted to those also who wish in a short time to gain a clear idea of the methods and problems of the Calculus.

M.—W., 9 A. M., Spring Term.

Third Year.

7. **CALCULUS.** A continuation of Course 6, and embraces the remaining subjects in Taylor's Calculus, except the chapter on the Method of Infinitesimals.

M.—W., 10 A. M., Fall Term.

8. **CALCULUS.** A continuation of Course 7, and embraces the Infinitesimal Method and Applications, also the History and Philosophy of the Calculus. Books of reference, the Treatises of Williamson, Duhamel, Price and Bertrand, Bledsoe's Philosophy of Mathematics and Ball's History of Mathematics.

W.—F., 9 A. M., Winter Term.

9. **ADVANCED COURSE IN ANALYTIC GEOMETRY.** Salmon's Higher Plane Curves and Aldis's Solid Geometry.

M.—W., 10 A. M., Spring Term.

Fourth Year.

10. **THEORY OF EQUATIONS AND DETERMINANTS.** Burnside and Panton's Theory of Equations and Muir's Determinants.

Th. and F., 10 A. M., Fall Term.

11. **QUATERNIONS.** Hardy's Quaternions. Books of reference, the Treatises of Tait, and Kelland and Tait.

Th. and F., 10 A. M., Winter Term.

THE DEPARTMENT OF MECHANICS AND ENGINEERING.

The aim of this department is to make practical application of the mathematics already pursued and as a mental discipline to develop especially the constructive faculty. In engineering the choice of subjects is mainly made from such as are necessary in all classes of engineering.

First Year.

I. **DESCRIPTIVE GEOMETRY.** Daily recitations from Church's "Descriptive Geometry," with a fair proportion of original work.

M.—F., 11 A. M., Fall Term.

2. **MECHANICS.** A general course designed for those who do not care to pursue the subject through advanced courses and as a preparation for the work of the Department of Physics and Astronomy, treats of the conditions of equilibrium, the laws of motion, and of matter in all its conditions, also of molecular mechanism. Daily recitations from Sheldon, with solution of problems.

W.—F., 11 A. M., Winter Term.

M.—W., 11 A. M., Spring Term.

3. **MECHANICAL DRAWING.** Personal instruction and supervision of each student.

Th. and F., 10 A. M., Winter and Spring Terms.

4. **STRENGTH OF MATERIALS.** Daily recitations from Anderson's "Strength of Materials."

M.—W., 10 A. M., Winter Term.

Second Year.

5. **APPLIED MECHANICS.** An advanced course. Cotterill is used as a text-book.

M.—F., 10 A. M., Fall Term.

6. **METALLURGY AND THE STEAM ENGINE.** These subjects are taken up in alternate years, the object being to afford an opportunity to those students desiring to pursue both studies to take up the alternate subject during the second year. Text-books, Holmes' "Steam Engine" and Huntington's "Bloxom on Metals." Students will visit, with the instructor, suitable neighboring localities for practical instruction on these subjects.

M.—F., 9 A. M., Spring Term.

[Owing to a vacancy in the professorship of engineering, only Course 2 is offered the present year.]

THE DEPARTMENT OF PHYSICS AND ASTRONOMY.

1. **PHYSICS.** The aim of instruction in this course is to acquaint the student with the leading facts relating to the active agents, Heat, Light, and Electricity in its various forms and the modern applications, especi-

ally as these facts illustrate the laws of energy and the correlation of forces. Instruction is given by text-book, and lectures fully illustrated by the use of apparatus.

M.—F., 9 A. M., Fall Term.

2. ASTRONOMY. The Solar System. By means of daily recitations from Young's "General Astronomy," lectures and illustrations by oxy-hydrogen views, it is sought to give the student a clear, accurate and justly proportioned presentation of facts, principles and methods in such form as to be readily apprehended by the average college student. A knowledge of the general principles of mechanics as well as of pure mathematics is presupposed; accordingly Courses 1-5 of the Department of Pure Mathematics and also Course 4, at least, of the Department of Mechanics and Engineering must precede the courses in Astronomy.

M.—W., 9 A. M., Winter Term.

3. ASTRONOMY. The Fixed Stars, Comets and Meteors. A continuation in aim and method of Course 2. The ancient history and recent development of the science, especially in the new astronomy, is also considered.

M.—W., 9 A. M., Spring Term.

THE DEPARTMENT OF BIOLOGY AND GEOLOGY.

The opening of the Biological Laboratory and the extension of the courses to include two years' continuous work have wrought important changes in the methods of instruction in this department. Laboratory work upon living plants and animals, alcoholic, dried and fossil organisms, and microscopical preparations, together with field work and lectures, illustrated by the oxy-hydrogen lantern and microscope and the solar projecting apparatus, models, casts, diagrams, charts, and maps, bring the student into intimate relations with the organic world and geological phenomena. Special attention is paid to the formation of correct habits of study in natural history. The student is led on from the consideration of specific and generic differences to the broader generalizations and the perception of the fundamental laws of plant and animal life. Solid foundations are laid for the more advanced work of graduate

courses. The student is prepared to appreciate the literature of these sciences, and the current discussions of the theories which attempt to account for the presence, succession, and variation of organic forms.

First Year.

1. **BIOLOGY.** This is a general, elementary laboratory course intended to familiarize the student with the fundamental phenomena of living matter, cells and their modifications and aggregations, and concluding with the careful study of a type plant and animal. Instruction is given in the use of the dissecting and compound microscopes, and the preparation of objects for microscopic examination, including the simpler processes of section cutting and the use of the ordinary dyes and re-agents in histological work.

This course is preparatory for Courses 2, 3, 4, 5 and 6.

M.—F., 1:30—3:30 P. M., Fall Term.

2. **CRYPTOGAMIC BOTANY.** This course in systematic Botany is open to students who have completed Course 1. A text-book is used in connection with laboratory work on living and prepared specimens.

Th. and F., 1:30—3:30 P. M., Winter Term.

3. **PHANEROGAMIC BOTANY.** This course is open to students who have completed Course 1, and it is desirable that Course 2 shall have been completed. It includes the morphology of the flowering plants, the characteristics of the more important Orders, instruction in analysis and classification, with laboratory work, and the preparation of a small herbarium by each student. Lectures will be given on the more interesting and important topics connected with the subject. The Douglass Herbarium is accessible for reference.

M. and Tu., 1:30—3:30 P. M., Spring Term.

4. **INVERTEBRATE ZOOLOGY.** This course is open to students who have completed Course 1. The characteristics of the Branches, Classes, and Orders of the Invertebrata are studied by the use of the text-book, laboratory dissections of type forms, standard reference books and monographs, and illustrated lectures. Attention to comparative anatomy is required. The range of the Orders in geological time is noted, and those of the most importance to the student of Historical Geology and Palæontology are studied more in detail. The facts bearing upon the theory of evolution are duly considered.

M—W., 1:30—3:30 P. M., Winter Term.

5. **INVERTEBRATE AND VERTEBRATE ZOOLOGY.** This course is open to those who have completed Course 4. The study of the invertebrates

is finished and lectures are given on the vertebrates.

W.—F., 1:30—3:30 P. M., Spring Term.

Second Year.

6. **PHYSIOLOGY.** This course is open to students who have completed Course 1, and Courses 4 and 5 are recommended for further preparation. Recitations from the text-book (Martin's) are illustrated by dissections, articulated skeletons, models, charts, and microscopic specimens. A general view of human anatomy is followed by special study of the organs and phenomena of nutrition, of circulation, and of the general nervous system, and a more detailed study of the organs of the special senses.

M.—W., 11 A. M., Fall Term.

This course is at present in charge of Professor Osborn.

7. **DYNAMIC GEOLOGY.** This course is pursued by text-book and recitations, and is illustrated by specimens from the geological collections and frequent illustrated lectures.

Field work will be done as far as opportunity offers.

M.—W., 10 A. M., Winter Term.

8. **HISTORICAL GEOLOGY.** This course is open to students who have completed Courses 4 and 5. The succession of life in the geological epochs is discussed in its relation to the theory of evolution. The work includes recitations from text-book, laboratory practice in elementary palæontology, illustrated lectures, and field work.

M.—W., 9—11 A. M., Spring Term.

THE DEPARTMENT OF CHEMISTRY AND MINERALOGY.

The aim of this department is to give instruction in the fundamental principles of scientific study, and especially, to give the student thorough training in habits of accuracy and observation. The work of Course 1 is conducted in the class room by means of a text book with experimental lectures. The remainder of the work is done in the laboratory, which is equipped with all the apparatus necessary for the successful study of analytical chemistry.

First Year.

1. GENERAL CHEMISTRY. A course for beginners, extending through the non-metallic elements. There are daily recitations from a text book, and frequent experimental lectures.

This course is required of all students in college, and for entrance to Courses IV and V.

M.—F., 2:30 P. M., Spring Term.

Second Year.

2. ANALYTICAL CHEMISTRY. A course in Qualitative Analysis including the determination of simple inorganic substances. The work in the laboratory is supplemented by a course of lectures on the metallic elements.

M.—F., 3:30—5:30 P. M., Fall Term.

3. ANALYTICAL CHEMISTRY. A continuation of Course 2 including the various methods employed for the qualitative separation of the metals. A supplementary course of lectures on some of the more important chemical theories and molecular forces will be given.

M.—F., 3:30—5:30 P. M., Winter Term.

4. ANALYTICAL AND ORGANIC CHEMISTRY. This includes the study of some of the rarer elements and of the qualitative determination of minerals, together with a short course of lectures on Organic Chemistry.

M.—F., 3:30—5:30 P. M., Spring Term.

Third Year.

5. ANALYTICAL CHEMISTRY. A course in Quantitative Analysis occupying two terms. It is the aim of this course to make the student familiar with all the important quantitative determinations and separations of the elements, and to this end the different methods, gravimetric, volumetric, and electrolytic are employed.

M.—F., 3:30—5:30 P. M., Fall and Winter Terms.

6. ANALYTICAL AND APPLIED CHEMISTRY. This follows the general course in Quantitative Analysis and includes the analysis of minerals and some of the simpler courses in Technical Analysis. The exhaustive study of these subjects is not attempted, the aim being to give the general methods of work in each.

M.—F., 3:30—5:30 P. M., Spring Term.

7. MINERALOGY. This is offered to any student in the Senior Class, who has pursued or is pursuing a course in Qualitative Analysis. The work is conducted by means of lectures, with occasional examinations

upon the same. The first part of the term is devoted to crystallography and the remainder to the study of the physical and chemical properties of minerals and their determination.

M.—W., 2:30 P. M., Fall Term.

8. MINERALOGY. To those wishing to continue the preceding course, practical work is offered to a limited number of students, the aim being to teach the use of instruments and general methods of mineralogical work.

T. and F., 1:30—3:30 P. M., Winter Term.

Fourth Year.

9. SPECIAL ANALYTICAL CHEMISTRY: For students in Courses 4 and 5, and for special students. This follows Course 6 in Analytical Chemistry and is intended for the more exhaustive study of the work there offered, as well as to teach methods of original work.

M.—F., 3:30—5:30 P. M., Fall Term.

10. ORGANIC CHEMISTRY. The course extends through two terms. The different methods of ultimate organic analysis are taught, as well as the methods of building up compounds synthetically. Subsequently, original work in the formation and investigation of compounds may be undertaken.

M.—F., 3:30—5:30 P. M., Winter and Spring Term.

Each of the above laboratory courses is a full equivalent of a five hour a week elective study, each student being required to work two hours a day for five days each week.

THE DEPARTMENT OF HISTORY AND POLITICAL SCIENCE.

The object of instruction in the department of History and Political Science is four-fold. Primarily to furnish the student with a general knowledge of the great national movements, of the development of political institutions and the survival of those great principles of civil liberty and political organization that have made the present order of civilization

possible. It is believed that without this information, no man is fitted for intelligent citizenship.

It is also designed by the constant weighing of cause and effect, by seeking a fair and just estimate of the actions and theories of the past, to enlarge the sympathies, develop the judgment and prepare the way for the truest culture. It is believed that in the attainment of this object the study of History and Politics has a high value.

It is further designed to provide training specially valuable for those students who intend to enter the profession of the law, or other active public service.

It is also hoped that from time to time students will offer themselves for a course of special training, in order to qualify themselves for the subsequent teaching of History and Political Science or of kindred subjects as a profession. The courses here offered are designed to lay a broad foundation for such advanced work.

First Year.

1. HISTORY. An introduction to Modern History is mainly occupied with an exposition of the philosophy of history, the consideration of the elements of modern civilization, and a review of those parts of Oriental and Classical History which bear most directly upon the progress of modern civilization.

Th. and F., 10 A. M., Fall Term.

2. HISTORY. The Period of Transition, is a study of the six centuries which intervened between the beginning of the barbaric migrations and the Treaty of Verdun, noting especially the origin and progress of those great movements by which Classical Europe passed into Feudal Europe. Special attention is given to the decline of the Roman Empire; the barbaric migrations; the customs of the Franks; the Salic Code; the Re-extension of the Empire under Justinian; the History of Roman Jurisprudence from the Twelve Tables to Justinian, and the service of Roman Law in the Civilization of Europe. The latter part of the course is given to the rise and extension of Mohammedanism in the East, and an examination of the Constitution of the Empire of Charlemagne.

M. and Tu., 9 A. M., Winter Term.

3. HISTORY. The Feudal Period, treats of the Political and Constitutional History of Europe from the breaking up of the Frankish Empire to the election of Rudolph of Hapsburg. The aim of this course is to lead the student to the study of those centrifugal forces which effected the dissolution of the Empire of Charlemagne, and resulted in the dispersion of authority known as the Feudal System, but which also afforded

opportunity for the fusion of the diverse elements, thrown together in the preceding period, into the great national masses of modern Europe. Special attention is given to the influence of Imperialism during this period, and its embodiment in the Holy Roman Empire.

W.—F., 9 A. M., Spring Term.

4. HISTORY. The Constitutional History of England: the Formative Period, is a study of the development of the English Constitution from the migration of the English to Britain in the 5th and 6th centuries, to the 14th century, when the English Constitution reached its definite form. Special attention is given to the old English local organizations, the Mark and the Scire; the old English Kingship; the gradual approach of feudalism; the changes made by the Norman conquest, and the Norman and Angevin organization; the final struggle for civil rights and the formation of the Parliament.

M. and Tu., 9 A. M., Spring Term.

Second Year.

5. HISTORY. The Period of Renaissance and Reformation, is a study of the great political and social movements of Europe, from the rise of the National Monarchy in France to the Treaty of Westphalia. The Crusades, their influence upon the political or social institutions of Europe; the decline of Feudalism and of the Imperial idea; the growth of the National Monarchy; the attempts made by the several nations of Europe at Representative Government; the attempts at religious and political reform, with the varying results attained, are studied as great continental movements, confined to no one state in particular, but marking in each state the general progress of European civilization.

M.—W., 9 A. M., Fall Term.

6. HISTORY. The French Revolution, is a study of the great social and political movements of the 17th and 18th centuries that culminated in the overthrow of the old order and the diffusion of civil rights among the common people. The first part of the course is given to a consideration of the condition of Europe after the Treaty of Westphalia; the supremacy of France; the rise of Prussia and the abandonment of the Imperial idea by the Teutonic States: the naval supremacy of England and the extension of her empire beyond seas; the American Revolution and its effect upon Europe. In the second part of the course the French Revolution is treated at length. Its causes and progress; its results, both immediate and remote, as marking the close of the reign of powers and forces in Europe and the beginning of the reign of ideas.

M.—W., 10 A. M., Winter Term.

7. HISTORY. The Recent History of Europe. An effort is made to show the significance of the great social, political and religious movements of the 19th century; to summarize principles and laws and to note the peculiarity of each great national movement.

W.—F., 10 A. M., Spring Term.

8. ROMAN LAW. Morey's Outlines. An elementary course, covering Roman Private Law, and designed to give the historical student some familiarity with fundamental legal notions. The work in the text books is accompanied by discussions and frequent lectures.

M.—W., 10 A. M., Fall Term

9. INTERNATIONAL LAW. Daily recitations from Gallaudet's Manual of International Law, with recitations and occasional lectures.

W.—F., 9 A. M., Winter Term.

Third Year.

10. HISTORY. Seminary of English Constitutional History, for advanced students. A Seminary of English History will be organized at the opening of the Fall Term, for the study of special questions connected with the growth of the English Constitution. With each year the topics are varied. Students are encouraged to consult original sources, so far as the opportunity is furnished by the University library, and to present the results of their work in the form of lectures to the class. Two sessions of the Seminary are held each week.

Th. and F., 9 A. M., Fall Term.

11. HISTORY. Seminary of American History, for advanced students. At the opening of the Winter Term a seminary will be organized for the study of special questions connected with early American History. Methods the same as in Course 10.

Th. and F., 10 A. M., Winter Term.

12. HISTORY. Seminary of American History for advanced students. The study of special questions connected with later American History. Subject varied from year to year. Methods the same as in the preceding Courses.

M. and Tu. 10 A. M., Spring Term.

In general the above Courses are designed to extend over three years. However, by completing Courses 1-4 and 7 and 8 the first year, the remaining courses may be completed the second year. Only students who have completed Courses 1-4 and have manifested special aptitude for the work of this department will be admitted to Courses 10-12.

Of Courses 1-7, the method is that of lectures, supplemented by private reading, investigation of original sources, inspection of note books, frequent examinations, class debates, theses, reports, etc. The details of political history are usually left to be worked out by the student, while the discovery of principles, the grouping of events, the development of institutions, are treated at length in the lectures. As each period is passed over, an account of the principal sources of its history is given, and the most valuable modern works are assigned to special students for review, to be reported to the class.

THE DEPARTMENT OF POLITICAL ECONOMY.

1. POLITICAL ECONOMY. Daily recitations from Walker's Political Economy, supplemented by lectures and discussions. The text furnishes to the student a clear statement of principles. Then, by questions, by drawing the student into discussions, by encouraging him to express his difficulties freely, the instructor endeavors to fix principles and to direct attention to their practical working in concrete cases.

W.—F., 11 A. M., Winter and Spring Terms.

2. CONTEMPORARY SOCIALISM. The views of the most prominent living socialists are brought before the class by means of lectures, discussions, and criticisms.

M. and Tu., Spring Term. The hour of exercise determined after the organization of the Class.

THE HISTORY OF ART.

In the Senior year instruction is given in the History of Architecture and Sculpture. The hand-books used by the student are largely supplemented with lectures, illustrated by a copious collection of slides and photographs. In these illustrated lectures a Calcium Light Stereopticon

is employed. Special attention is given to the origin and development of Greek Architecture. Its connection with earlier styles, particularly with the Assyrian and Egyptian, are noted, and the modifications and additions made by the Romans are also traced. Gothic and Renaissance Architecture are likewise treated. An attempt is made to give some accurate acquaintance with the masterpieces of ancient sculpture, to show the relation between classical and mediæval art, and to bring out those principles which gave to the plastic art of the Greeks its enduring preëminence as the standard of taste.

Th. and F., 1:30 P. M., Fall Term.

Th. and F., 3:30 P. M., Winter Term.

Th. and F., 1:30 P. M., Spring Term.

THE DEPARTMENT OF PHILOSOPHY.

First Year.

1. LOGIC. It is the object of this department to give the student a thorough knowledge of the subject, embracing both Formal and Applied Logic. The nature, sphere, limitations, and applications of principles are defined and illustrated. To make the study a discipline, and to secure, as far as possible, practical results, the student, during the last half of the term, is subjected to a daily analysis of arguments and fallacies in a manner not only to compel a knowledge of principles and methods, but to induce correct habits of thinking.

M.—F., 9 A. M., Fall Term.

Second Year.

2. PSYCHOLOGY. The study of the Human Mind is regarded, not only as affording one of the highest forms of intellectual discipline, but also as furnishing self-knowledge of a most important and practical kind. The subject is pursued with reference to both these ends. Mental science is investigated, both for its profound intrinsic interest, and for its bearing upon the cultivation of the intellectual powers. The physiological connections of psychical phenomena are fully considered, and the problems of psychology are presented in their relation to the great philo-

sophic questions. The study of mind is thus made an introduction to speculative philosophy. Attention is given to the history of philosophic thought, beginning with the Greek thinkers. The class prepare essays on the principal modern philosophers, and their distinctive theories are further treated in oral lectures and discussions.

M.—F., 11 A. M., Fall Term.

3. EVIDENCES OF CHRISTIANITY. Lectures are given on the historical character of the religion of Christ; on Christianity as a supernatural fact; as a Divine Life; as a new Revelation of Truth and Duty; as a Divine Kingdom; as a Fulfillment of Ethnic aspirations and Jewish hopes; and as a World-Power. These lectures are accompanied with an examination of the various skeptical tendencies of modern thought.

M. and Tu., 11 A. M., Winter Term.

4. CHRISTIAN ETHICS. Lectures are given on Theoretical Ethics. The course embraces the History of Ethical Opinions, the relation of morals to religion, the criticism of the current theories—the evolutionary, the utilitarian, the independent, and the intuitive conception of morals; and the fuller exposition of the Ethics of Christianity. This last will embrace a discussion of the absolute and the relative grounds of virtue, and the new relations and higher possibilities introduced by the coming of the Divine Founder of the Christian religion.

These lectures will also treat of Practical Ethics. This course will include both spontaneous and reflective moral activities of the soul, and will embrace our duties to God—to ourselves—to the family—to society, and to the church.

There are also special lectures on Liberty of Thought, its nature and its value; on the laws of Intellectual Growth; on the Formation of Opinions; on Personal Character as a factor in Public Life; on the Choice of a Vocation in Life; and on manners.

M. and Tu., 11 A. M., Spring Term.

REQUIREMENTS FOR GRADUATION.

THE BACHELORS' DEGREES.

The University provides five distinct and parallel courses of instruction leading to the Bachelors' Degrees :

I. A COURSE IN ARTS, requiring Latin and Greek for matriculation, and leading to the degree of Bachelor of Arts.

II. A COURSE IN LETTERS AND PHILOSOPHY, requiring Greek and German for matriculation, and leading to the degree of Bachelor of Philosophy.

III. A COURSE IN LETTERS AND PHILOSOPHY, requiring Latin and German for matriculation, and leading to the degree of Bachelor of Philosophy.

IV. A COURSE IN LETTERS AND SCIENCE, requiring, with Latin and French, certain scientific subjects for matriculation, and leading to the degree of Bachelor of Science.

V. A COURSE IN LETTERS AND SCIENCE, requiring, with German and French and the elements of Latin, certain scientific subjects for matriculation, and leading to the degree of Bachelor of Science.

These several courses extend each over four undergraduate years, and consist of prescribed and elective studies in Philosophy, History and Political Science, Art, Language and Literature, Mathematics, and Natural Science. Each student is required to have not less than seventeen hours of work per week, except during the third term of Senior year, when only twelve are required. In courses I, II and III, all the work of the first five terms, and fourteen hours of the sixth term, is prescribed. In courses IV and V, all the work of the first six terms is prescribed. In all the courses, seven hours per week during Junior year, and five during Senior year, are prescribed. In addition to these, each student must select from the elective studies offered, a sufficient number of hours to make up the required amount.

Subjoined is a synopsis of the several undergraduate courses.

COURSES OF STUDY.

SYNOPSIS OF REQUIREMENTS FOR BACHELORS' DEGREES.

I. COURSE IN ARTS.

FOR THE DEGREE OF BACHELOR OF ARTS.

Freshman Year.

LATIN: [Courses 1-3.] Cicero, Tacitus, and Horace.
Three terms, three hours a week.

GREEK: [Courses 1-3.] Homer, Herodotus, Thucydides, and Plato.
Three terms, three hours a week.

FRENCH: [Course 1.] Systematic drill in grammar with special reference to syntax. Rapid reading. Lectures introductory to the course in French literature.
Three terms, two hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays, and Declamations.
Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry and Surveying.
Three terms, five hours a week.

Sophomore Year.

LATIN: [Courses 4 and 5.] Horace, Catullus, Juvenal, and Persius.
Fall Term, five hours a week.
Winter Term, three hours a week.

GREEK: [Courses 4-6.] Demosthenes, Aeschylus, Sophocles, Euripides, Aristophanes, and Lucian.

Fall and Spring Terms, three hours a week.

Winter Term, five hours a week.

ENGLISH: [Course 1.] History of English Literature.

Three terms, two hours a week.

GERMAN: [Course 2.] Elementary drill in Grammar and Reader.

General introduction to the courses in German literature.

Three terms, three hours a week.

ORATORY: [Course 3 completed.] Declamations.

Three terms, one hour a week.

MATHEMATICS: [Courses 4 and 5.] Spherical Trigonometry and Analytic Geometry.

Two terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, Elementary Course.

Spring Term, five hours a week.

ELECTIVE STUDIES:

LATIN: [Course 6.] Pliny.

MATHEMATICS: [Course 6.] Calculus.

Spring Term, three hours a week.

Junior Year.

PHILOSOPHY: [Course 1.] Logic, Formal and Applied.

Fall Term, five hours a week.

MECHANICS AND ENGINEERING: [Course 2.] Mechanics, General Course.

Winter and Spring Terms, three hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of specimen books: Characteristics of various kinds of literature contained in the Bible, &c.

Winter and Spring Terms, two hours a week.

ORATORY: [Course 4.] Orations by appointment through the year.

Equivalent to a two hours' course for three terms.

ELECTIVE STUDIES: In addition to the required studies, each student must elect other work to occupy not less than ten hours a week through the year. The elective courses open to Juniors are the following:

FALL TERM. Latin: Plautus and Terence. Greek: Plato. Hebrew: [Course 1.] English: Elizabethan Poetry, Anglo-Saxon. French: Molière. German: Lessing. Mathematics: Calculus. Biology. Physiology. Chemistry: [Course 2.] History: [Course 1.] Roman Law.

WINTER TERM. Latin: Roman Literature. Greek: Aristotle. Hebrew: [Course 1.] English: Elizabethan Drama, Anglo-Saxon. French: Literature of the Eighteenth Century. German: Schiller. Mathematics: Calculus. Botany: [Course 2.] Zoölogy: [Course 4.] Chemistry: Course 3.] History: [Course 2.] International Law.

SPRING TERM. Latin Inscriptions; Hellenistic Greek. Hebrew: [Course 1.] English: Shakespeare, Early and Middle English. French: Literature of the Nineteenth Century. German: Goethe. Mathematics: Advanced Analytic Geometry. Botany: [Course 3.] Zoölogy: [Course 5.] Chemistry: [Course 4.] History: [Courses 3 and 4.]

Senior Year.

PHILOSOPHY: [Courses 2, 3, and 4.] Psychology, Evidences of Christianity, and Christian Ethics.

Fall Term, five hours a week.

Winter and Spring Terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker. Lectures, Discussions.

Winter and Spring Terms, three hours a week.

ELECTIVE STUDIES: In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter Terms, and seven hours a week during the Spring Term. The elective courses open to Seniors are the following:

FALL TERM: Greek: Plato. Hebrew: [Course 2.] Arabic. Assyrian. English: Poetry of the Eighteenth Century, or English Prose. German: Goethe's Faust. Italian: [Course 11.] Debates. Mathematics: Theory of Equations and Determinants. Physics. Physiology. Chemistry: [Course 5.] Mineralogy: [Course 7.] History: [Courses 5 and 10.] History of Art.

WINTER TERM: Latin: Teachers' Seminary. Greek: Aristotle. Hebrew: [Course 2.] Aramaic. Arabic. Assyrian. English: Poetry of the Nineteenth Century, or English Fiction. German: Goethe's Faust. Italian: [Course 11.] Debates. Mathematics: Quaternions. Astronomy: [Course 2.] Geology: [Course 7.] Chemistry: [Course 5.] Mineralogy: [Course 8.] History. [Courses 6 and 11.] History of Art.

SPRING TERM: Latin: Teachers' Seminary. Hellenistic Greek. Hebrew: [Course 2.] Arabic. Assyrian. American Poetry, or American Prose. German: Lyric Poetry. Italian: [Course 12.] Astronomy: [Course 3.] Geology: [Course 8.] Chemistry: [Course 6.] History: [Courses 7 and 12.] History of Art.

In addition to the above, the elective courses of the Junior year are open to Seniors, where hours of recitation do not conflict.

II. COURSE IN LETTERS AND PHILOSOPHY.

FOR THE DEGREE OF BACHELOR OF PHILOSOPHY.

Freshman Year.

GREEK: [Courses 1-3.] Homer, Herodotus, Thucydides and Plato.
Three terms, three hours a week.

FRENCH: [Course 1.] Systematic drill in grammar with special reference to syntax. Rapid reading. Lectures introductory to the courses in French literature.
Three terms, two hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays, and Declamations.
Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry, and Surveying.
Three terms, five hours a week.

GERMAN: [Courses 6-8.] Lessing, Lectures on Work and Influence. Introduction to Classical German literature. The Drama.
Three terms, three hours a week.

Sophomore Year.

GREEK: [Courses 4-6.] Demosthenes, Aeschylus, Sophocles, Euripides, Aristophanes, and Lucian.
Fall and Spring Terms, three hours a week.
Winter Term, five hours a week.

ENGLISH: [Courses 1 and 5-7.] History of English Literature. Elizabethan Poetry. Elizabethan Drama. Shakespeare.
Three terms, five hours a week.

GERMAN: [Course 9.] Goethe's Faust.
Fall and Winter Terms, three hours a week.

FRENCH: [Course 3.] Literature of seventeenth century. Molière.
Fall Term, two hours a week.

ORATORY: [Course 3 completed.] Declamations.
Three terms, one hour a week.

MATHEMATICS: [Courses 4 and 5.] Spherical Trigonometry and Analytic Geometry.

Fall and Winter Terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, elementary course.
Spring Term, five hours a week.

ELECTIVE STUDIES:

GERMAN: [Course 10.] Lyric poetry, literature from the earliest time, or

MATHEMATICS: [Course 6.] Calculus.

Spring Term, three hours a week.

Junior Year.

PHILOSOPHY: [Course 1.] Logic: Formal and Applied.
Fall Term, five hours a week.

MECHANICS AND ENGINEERING: [Course 2.] Mechanics; general course.

Winter and Spring Terms, three hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of Specimen Books. Characteristics of various kinds of Literature contained in the Bible, &c.

Winter and Spring Terms, two hours a week.

ORATORY: [Course 4.] Orations by appointment throughout the year.
Equivalent to two hours' course for three terms.

***ELECTIVE STUDIES:** In addition to the required studies, each student must elect other work to occupy not less than ten hours a week through the year.

Senior Year.

PHILOSOPHY: [Courses 2, 3 and 4.] Psychology, Evidences of Christianity and Christian Ethics.

Fall Term, five hours a week.

Winter and Spring Terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker; Lectures, Discussions.
Winter and Spring Terms, three hours a week.

***ELECTIVE STUDIES:** In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter Terms, and seven hours a week during the Spring Term.

*The elective studies are given in full under the course in Arts, and each student will select such studies as he is prepared to take.

III. COURSE IN LETTERS AND PHILOSOPHY.

FOR THE DEGREE OF BACHELOR OF PHILOSOPHY.

Freshman Year.

LATIN: [Courses 1-3.] Cicero, Tacitus, and Horace.
Three terms, three hours a week.

FRENCH: [Course 1.] Systematic drill in grammar with special reference to syntax. Rapid reading. Lectures introductory to the courses in French literature.
Three terms, two hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays, and Declamations.
Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry and Surveying.
Three terms, five hours a week.

GERMAN: [Courses 6-8.] Lessing, Lectures on Work and Influence. Introduction to Classical German literature. The Drama.
Three terms, three hours a week.

Sophomore Year.

LATIN: Courses 4 and 5.] Horace, Catullus, Juvenal, and Persius.
Fall Term, five hours a week.
Winter and Spring Terms, three hours a week.

ENGLISH: [Courses 1 and 5-7.] History of English Literature. Elizabethan Poetry. Elizabethan Drama. Shakespeare.
Three terms, five hours a week.

GERMAN: [Course 9.] Goethe's Faust.
Fall and Winter Terms, three hours a week.

FRENCH: [Course 4.] Literature of eighteenth century; Voltaire. Rousseau.
Winter Term, two hours a week.

ORATORY: [Course 3 completed.] Declamations.
Three terms, one hour a week.

MATHEMATICS: [Courses 4 and 5.] Spherical Trigonometry and Analytic Geometry.

Fall and Winter Terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, elementary course.

Spring Term, five hours a week.

ELECTIVE STUDIES:

GERMAN: [Course 10.] Lyric poetry, Literature from the earliest times, or

MATHEMATICS: [Course 6.] Calculus.

Spring Term, three hours a week.

Junior Year.

PHILOSOPHY: [Course 1.] Logic, Formal and Applied.

Fall Term, five hours a week.

MECHANICS AND ENGINEERING: [Course 2.] Mechanics, general course.

Winter and Spring Terms, three hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of Specimen Books. Characteristics of various kinds of literature contained in the Bible, etc.

Winter and Spring Terms, two hours a week.

ORATORY: [Course 4.] Orations by appointment throughout the year.

Equivalent to two hours' course for three terms.

***ELECTIVE STUDIES:** In addition to the required studies, each student must elect other work to occupy not less than ten hours a week through the year.

Senior Year.

PHILOSOPHY: [Courses 2, 3 and 4.] Psychology, Evidences of Christianity and Christian Ethics.

Fall Term, five hours a week.

Winter and Spring Terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker; Lectures, Discussions.

Winter and Spring Terms, three hours a week.

***ELECTIVE STUDIES:** In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter Terms, and seven hours a week during the Spring Term.

*The elective studies are given in full under the Course in Arts, and each student will select such studies as he is prepared to take.

IV. COURSE IN LETTERS AND SCIENCE.

FOR THE DEGREE OF BACHELOR OF SCIENCE.

Freshman Year.

LATIN: [Courses 1 and 2.] Cicero, Tacitus, and Horace.

Three terms, three hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays, and Declamations.

Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry and Surveying.

Three terms, five hours a week.

BIOLOGY AND GEOLOGY: [Courses 1-5.] Biology, Botany and Zoölogy; Laboratory.

Three terms, five hours a week.

Sophomore Year.

MATHEMATICS: [Courses 4-6.] Spherical Trigonometry, Analytic Geometry and Calculus.

Three terms, three hours a week.

GERMAN: [Course 2.] Elementary Drill in Grammar and Reader. General introduction to the courses in German literature.

Three terms, three hours a week.

ENGLISH: [Courses 1-3.] History of English literature.

Three terms, two hours a week.

ORATORY: [Course 3 completed.] Declamations.

Three terms, one hour a week.

CHEMISTRY: [Courses 2-4.] Analytical Chemistry, Qualitative Analysis, Lectures.

Three terms, five hours a week.

BIOLOGY AND GEOLOGY: [Courses 6-8.] Physiology, Geology, Paleontology.

Three terms, three hours a week.

Junior Year.

ORATORY: [Course 4.] Orations by appointment.

Equivalent to a two hours' course for three terms.

MATHEMATICS: [Course 7.] Calculus.

Fall Term, three hours a week.

FRENCH: [Course 3.] Literature of the seventeenth century. Molière.

Fall Term, two hours a week.

MECHANICS AND ENGINEERING: [Course 2.] Mechanics, general course.

Winter and Spring Terms, three hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of Specimen Books. Characteristics of various kinds of literature contained in the Bible, &c.

Winter and Spring Terms, two hours a week.

*ELECTIVE STUDIES: In addition to the required studies, each student must elect other work to occupy not less than ten hours a week through the year.

Senior Year.

PHILOSOPHY: [Courses 2, 3 and 4.] Psychology, Evidences of Christianity, and Christian Ethics.

Fall Term, five hours a week.

Winter and Spring Terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker; Lectures, Discussions.

Winter and Spring Terms, three hours a week.

*ELECTIVE STUDIES: In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter Terms, and seven hours a week during the Spring Term.

*The elective studies are given in full under the Course in Arts, and each student will select such studies as he is prepared to take.

V. COURSE IN LETTERS AND SCIENCE.

FOR THE DEGREE OF BACHELOR OF SCIENCE.

Freshman Year.

GERMAN: [Courses 6-8.] Lessing: Lectures on Work and Influence.
Introduction to Classical German literature. The Drama.
Three terms, three hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays, and Declamations.
Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry, and Surveying.
Three terms, five hours a week.

BIOLOGY AND GEOLOGY: [Courses 1-5.] Biology, Botany and Zoölogy, Laboratory.
Three terms, five hours a week.

Sophomore Year.

GERMAN: [Courses 9 and 10.] Goethe's Faust. Lyric Poetry, Literature from earliest times.
Three terms, three hours a week.

MATHEMATICS: [Courses 4-6.] Spherical Trigonometry, Analytic Geometry and Calculus.
Three terms, three hours a week.

ENGLISH: [Courses 1-3.] History of English literature.
Three terms, two hours a week.

ORATORY: [Course 3, completed.] Declamations.
Three terms, one hour a week.

CHEMISTRY: [Courses 2-4.] Analytical Chemistry, Qualitative Analysis, Lectures.

Three terms, five hours a week.

BIOLOGY AND GEOLOGY: [Courses 6-8.] Physiology, Geology, Paleontology.

Three terms, three hours a week.

Junior Year.

ORATORY: [Course 4.] Orations by appointment.

Equivalent to a two hours' course for three terms.

MATHEMATICS: [Course 7.] Calculus.

Fall Term, three hours a week.

FRENCH: [Course 3.] Literature of the seventeenth century, Molière.

Fall Term, two hours a week.

MECHANICS AND ENGINEERING: [Course 2.] Mechanics, general course.

Winter and Spring Terms, three hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of Specimen Books. Characteristics of various kinds of literature contained in the Bible, &c.

Winter and Spring Terms, two hours a week.

*ELECTIVE STUDIES: In addition to the required studies, each student must elect other work to occupy not less than ten hours a week through the year.

Senior Year.

PHILOSOPHY: [Courses 2, 3 and 4.] Psychology, Evidences of Christianity, Christian Ethics.

Fall Term, five hours a week.

Winter and Spring Terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker; Lectures, Discussions.

Winter and Spring Terms, three hours a week.

*ELECTIVE STUDIES: In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter Terms, and seven hours a week during the Spring Term.

*The elective studies are given in full under the Course in Arts, and each student will select such studies as he is prepared to take.

POST-GRADUATE STUDIES.

THE MASTERS' DEGREES.

RESIDENT GRADUATES.

The Faculty will recommend for the degree of Master of Arts or Master of Science, candidates, otherwise properly qualified, who shall have fulfilled the following conditions :

1. They shall have obtained the Bachelor's Degree either at Colgate University or at some other college of equal grade.
2. They shall have completed one year's post-graduate study, not professional, in Colgate University, in residence and under the direction of the Faculty.
3. Such course of study shall be selected from the advanced courses, offered as elective studies in the several departments or from other courses more advanced which may be arranged with the concurrence of the Faculty.
4. In general such courses of study shall be grouped as follows :
 - I. INTELLECTUAL AND MORAL PHILOSOPHY: *e. g.* (1) Metaphysics. (2) Ethics. (3) Aesthetics. (4) Psychology. (5) Logic. (6) Philosophy of History and of Government. (7) History of Philosophy, general or special.
 - II. HISTORY AND POLITICAL SCIENCE: *e. g.* (1) Comparative Constitutional History. (2) Constitutional Law of the United States. (3) Roman Law. (4) International Law. (5) Political Economy. (6) Political and Financial History of the United States. (7) The Constitutional History of England. (8) The Political History of Modern Europe, special periods. (9) Classical and Ancient Oriental History.
 - III. PHILOLOGICAL SCIENCE: *e. g.* (1) The Critical Study of Greek and Latin Classics. (2) The Semitic and Cognate Languages. (3) Greek Dialects. (4) Early and Later Latin. (5)

Greek and Roman Literature. (6) Old and Middle English. (7) English Literature. (8) German and French and Italian Literature.

- IV. MATHEMATICS AND THE NATURAL SCIENCES: *e. g.* (1) Pure mathematics. (2) Physics. (3) Astronomy. (4) Chemistry. (5) Mineralogy. (6) Biology. (7) Botany. (8) Geology. (9) Mechanics and Engineering.

From these groups the candidate shall have completed the major subject as follows:

For the degree of Master of Arts, from groups I, II, or III. For the degree of Master of Science from group IV.

In addition to the major subject the candidate shall also have completed two minor subjects which may be taken from groups other than the one from which the major subject is chosen.

5. The above subject must also have been determined upon and submitted to the Faculty for approval prior to October 1st of the year in which the degree is expected to be given.

6. A thesis must also be presented upon some topic related to the major subject and requiring original research. The subject of the thesis must be submitted to the Faculty prior to December 15th, and the thesis itself in completed form prior to May 15th of the year in which the degree is expected to be taken.

NON-RESIDENT GRADUATES.

The Faculty will also recommend for the degree of Master of Arts, or Master of Philosophy, graduates of Colgate University of at least three years' standing, who have taken the degree of Bachelor of Arts or Bachelor of Philosophy, and who shall make application for the Master's Degree, presenting at the same time a certificate of graduation from a Theological Seminary, a Law School or a Medical School, or of admission to the practice of law or medicine, or satisfactory evidence of successful labor in that field of education or literature which may have been permanently chosen.

The Faculty will also recommend for the degree of Master of Science, graduates of Colgate University of at least three years' standing, who have taken the degree of Bachelor of Science, and who shall make application for the Master's Degree, presenting at the same time a certificate of graduation from a Medical School, or of admission to the practice of medicine, or who shall present satisfactory evidence of successful professional work actually done, or of the successful prosecution of advanced scientific or professional studies.

REQUIREMENTS FOR ADMISSION.

GENERAL REQUIREMENTS.

All candidates for admission must bring with them testimonials of attainments and of moral character, preferably from their latest instructors, and, if from another college, a certificate of regular dismissal.

Candidates for the Freshman class must have completed their fifteenth year, and candidates for a higher class must be advanced in age accordingly.

It is recommended that the candidate be prepared for examination in the requirements as specified, but equivalents will be accepted.

Subjects Required For Admission to The Freshman Class.

I. All candidates for admission to the Freshman class are examined in the following subjects:

1. MATHEMATICS: Arithmetic, including the metric system of weights and measures. Algebra, the subjects included in Part First of Taylor's College Algebra, or an equivalent in other authors. Geometry, Wentworth's or Chauvenet's Plane Geometry, or an equivalent in other authors.

To enable students to succeed in the study of Mathematics in the University the studies of the last year of the preparatory course should include a review of both Algebra and Geometry. Much attention also should be given to original work.

2. ENGLISH: The candidate will be required to write a short composition,—correct in spelling, punctuation, grammar, division into paragraphs, and expression,—upon one of several themes announced at the time of the examination. For 1892 the themes will be drawn from the following works, with the substance, plots, incidents, characters, etc., of which it is expected that the student will thoroughly familiarize himself: Shakespeare's "Othello" and "As You Like It," Tennyson's "Enoch Arden," Longfellow's "Courtship of Miles Standish," Thackeray's "Henry Esmond," Holmes's "Autocrat of the Breakfast Table."

The candidate will also be required to correct specimen sentences set for him at the time of the examination.

The works prescribed for the examinations of 1893 and 1894 are the following :

For 1893 : Shakespeare's Julius Cæsar and Romeo and Juliet, Scott's Marmion, Lowell's Vision of Sir Launfal, Dickens' Old Curiosity Shop, George Eliot's Adam Bede, Irving's Sketch Book.

For 1894 : Shakespeare's Merchant of Venice and Richard III, Burns' Cotter's Saturday Night, Longfellow's Evangeline, Scott's Ivanhoe, Hawthorne's Marble Faun, Bunyan's Pilgrim's Progress, Macaulay's Essay on Clive.

3. HISTORY : Doyle's History of the United States, Freeman's Series ; or Johnson's Outlines of the History of the United States ; Doyle preferred ; Freeman's General Sketch of History, Freeman's Series. For the General History, so much of Fisher's Outlines of Universal History as covers the period treated by Freeman ; or Smith's Greece, Student's Series ; Merivale's Rome, Student's Series, (sixty-six chapters,) and Green's Shorter History of the English People will be accepted as equivalents.

II. Subjects peculiar to each course and required of those students who propose to matriculate in that course. For full explanations of the several courses see pp. 45-57.

I. GREEK : Those who enter Course I (The Classical Course) or Course II (The Greek Course,) will be examined in Goodwin's or Hadley's Greek Grammar ; three books of Xenophon's Anabasis ; three books of Homer's Iliad ; and in Jones's exercises in Greek Prose.

2. LATIN : Those who enter Course I or Course II (The Latin Course) or Course IV (The Latin Scientific Course,) will be examined in Cæsar's Commentaries, Books I-IV ; Six orations of Cicero, including that for the Manilian Law and that for the Poet Archias ; six books of Virgil Aeneid ; Latin Grammar, (Harkness preferred;) and Jones's Exercises in Latin Prose Composition.

Those who enter Course V (The Scientific Course,) will be examined in one of the Latin authors named and in Latin Grammar and in Latin Prose Composition.

3. FRENCH : Those who enter Courses IV or V, will be required to present for examination subjects in French equivalent to the first year's work in the Department of Modern Languages. (See p. 26.)

Of those who enter Courses I, II or III, there will be required a knowledge of the essential elements of Grammar, and the ability to translate simple Prose.

4. GERMAN : Those who enter Courses II, or III or V, will be required to present for examination, subjects in German equivalent

to the second year's work in the Department of Modern Languages. (See p. 27.)

5. SCIENCE: Those who enter Courses IV or V, will be examined in the elements of Chemistry through the non-metals, and in the elements of Natural Philosophy.

Admission to Advanced Standing.

Candidates for admission to any class higher than the Freshman are examined in the previous studies of the class which they wish to enter, or their equivalents. Students coming from another college, may, at the discretion of the Faculty, be admitted upon certificate in the studies covered. If, however, they enter after the beginning of the Sophomore year, and desire to compete for Commencement honors, they will be expected to pass examination upon the previous work of the course. No person will be admitted to the University, as a candidate for the Bachelor's degree, after the opening of the second term of the Senior year.

Admission to Special Courses.

In exceptional cases, students not under twenty-one years of age, and not members of any one of the four classes, nor candidates for a degree, are admitted to the privileges of the University and allowed to take special courses, selected under the direction of the Faculty. Such students will be required to pass a preliminary examination sufficient to ascertain their qualifications for the course proposed, and are subject to the same regulations and discipline, and to the same examinations in the studies pursued, as those who are candidates for a degree.

They cannot compete for prizes or take part at Commencement. They will rank in the catalogue with the class with which they enter the University. These special courses, however, are not offered to those who are members of one of the regular courses and who have failed to maintain standing.

Entrance Examinations.

Entrance Examinations will be held at Hamilton as follows: On Monday and Tuesday, June 13 and 14, 1892, and again on Tuesday, Wednesday and Thursday, September 6, 7 and 8, following.

All candidates are recommended to present themselves at the June Examinations, so that they may have an opportunity to cancel any conditions in September. Those who remain conditioned after the September examinations or receive conditions at that time, may be required by the respective officers to study under an authorized tutor.

For the benefit of students living at a distance, who cannot conveniently come to Hamilton to take the June Examinations, arrangements may be made, by which examinations shall be held under the direction of a college officer or some other authorized person at some convenient point. Under such circumstances the names must be sent to the Dean of the Faculty not later than May 15th, 1892.

Admission by Certificate.

The Pass Cards and College Entrance Diplomas of the Regents of the University of the State of New York, recently issued, will be accepted as equivalent to the requirements for admission definitely covered by them.

Students, also, who have recently completed a full course of study similar or equivalent to that required for matriculation in any course of this University, may, by special arrangement, be admitted to that course, on the certificate of the Principal of the School from which they come.

Each certificate must state explicitly the subjects on which the candidate has passed a satisfactory examination, and the Principal must certify to the good character and conduct of the pupil.

The Principals of Academies and other preparatory schools who desire to have their students admitted on certificates are invited to correspond with the Dean of the Faculty.

MATERIAL EQUIPMENT.

BUILDINGS AND GROUNDS.

The principal buildings of the College are the following :

WEST COLLEGE and EAST COLLEGE. These buildings were erected, the first in 1827, and the second in 1834, as the property of the Baptist Education Society of the State of New York. Since the erection of Eaton Hall in 1885 for the accommodation of the Theological Department, these buildings have been devoted entirely to the use of the College. West College contains two large lecture rooms, the Museum of Natural History, an Historical seminary room, the Biological Laboratory, a Draughting Room, used by the department of Mechanics and Engineering, and accommodations for seventy students. East College is the main dormitory and contains, besides the Janitor's quarters, accommodations for about ninety students, and bath-rooms furnished with modern appliances.

The HALL OF ALUMNI AND FRIENDS. This was erected in 1860 by the alumni and friends of the University. It contains a public hall with a seating capacity of 1,200, in which are held the Commencement Exercises of the University. It also contains the College Chapel, the room of the College Young Men's Christian Association and nine lecture rooms.

The CHEMICAL LABORATORY is the joint gift of the late President Dodge, Col. Morgan L. Smith, of Newark, N. J.,

Mr. Thomson Kingsford, of Oswego, and Mr. Samuel Colgate, of New York. It was built in 1884, is of Hamilton stone, trimmed with brick, and well adapted to the purposes for which it was built. The building is occupied by the departments of Chemistry and Physics. On the ground floor are two large lecture rooms, adjoined by rooms for the storage of apparatus, well lighted and furnished with all the apparatus necessary for illustration and experiment. On the second floor are the Laboratory work rooms, which afford opportunity for an extended course in Analytical Chemistry, both Qualitative and Quantitative. These rooms are occupied as follows: (1) The main room in which Analytical Chemistry is begun. Each student is provided with a desk, furnished with sink, gas jets, air blasts and a full set of re-agent bottles, besides apartments for tools and apparatus. The room is also furnished with ventilating hoods for work with volatile or poisonous substances. (2) A laboratory for advanced students, fitted with appliances for delicate and accurate work, adjoined by a balance room furnished with accurate balances and other appliances, and by supply rooms containing chemicals and apparatus. (3) A furnace room, supplied with an improved furnace and condenser. (4) Dark rooms for photography and mineralogical work. (5) A library and consulting room, supplied with the latest authorities on the Science of Chemistry.

The COLGATE LIBRARY, the gift of Mr. James B. Colgate, erected and furnished at a cost of \$140,000, is now completed and ready for occupation. It contains upward of 20,000 square feet of tiled flooring, is entirely fire-proof, and in the completeness of its facilities, embraces the best results of the large experience of Librarian Melvil Dewey. Besides two

stack-rooms with a united capacity of 100,000 volumes, the building contains a reading and consulting room, 60 by 38 feet; a room for the use of the Samuel Colgate Collection of documents and bound volumes relative to Baptist History; a room for the use of the Board of the University and one for the use of the Board of the Education Society; an office for the Treasurer of the University; four seminary rooms; a delivery room, 40 by 54 feet; the Librarian's office and private room; besides other rooms used as packing rooms, work rooms, bath rooms, furnace rooms, &c. It is believed that in beauty of architecture and in adaptability to the practical needs and daily uses of a University library, the Colgate Library may justly claim to be the equal of any college library building in the country.

THE UNIVERSITY GROUNDS. The present site of the University was fixed by the gift of 120 acres of land by Judge Samuel Payne and his wife in 1826. Various additions have been made from time to time, until now the University grounds cover upward of 200 acres, lying within and just outside the village of Hamilton, of great natural advantages, presenting a variety of landscape and affording ample facilities for college sport. Since the establishment of a permanent improvement fund in 1880, and the appointment of a special committee on the grounds, the campus has been steadily developed, in the laying out of walks and macadamized drives, in grading and seeding lawns, in setting out trees and in making the most of the unusual natural advantages of the place. Not the least among the attractions is a plot of fifteen acres which has been graded and laid out in base ball and foot ball grounds, in tennis courts and for field sports generally.

THE UNIVERSITY LIBRARY.

The Library is intended to meet the needs of all departments of the University. While the daily needs of the students are not forgotten, the aim is to secure, so far as possible, works that may serve as original sources of information for the members of the Faculty in their personal investigations, and also for those students who may be doing seminary work.

The Library already contains more than 20,000 volumes, and is enlarged every year by the expenditure of the income of a Library fund of \$25,000. In the Library, are included the following special collections:

(1) The President Dodge gift of more than 3,500 volumes, especially rich in works on Theology and Art; (2) the Hon. Isaac Davis section, consisting of works on Baptism and works by Baptist authors, annually increased by the income of the fund bequeathed; (3) the William Ward Memorial collection, consisting of Encyclopædias and other works of reference, annually enlarged by the income of a fund given by the late William Bucknell, Esq., in memory of Rev. William Ward, D. D., class of '48; (4) the collection which once formed the Library of the American and Foreign Bible Society. Twenty-five or more of the best American, English, French and German periodicals are taken and bound, and by indexes, are made available for permanent use.

In addition to the contents of the Library already mentioned, there is to be placed in the Library Building in a room especially devoted to its use, the Samuel Colgate collection of documents relating to the history of the Baptists, now numbering some 22,000 pamphlets and bound volumes. This collection consists of the annual reports of Associations, State Conven-

tions and Missionary Societies, the Catalogues of Educational Institutions, Historical Sermons and Addresses, Histories of Individual Churches, and other documents relating to Baptist history and the religious history of our country. No pains or expense have been spared to make this collection as complete as possible; and it is safe to say that it is the most perfect, and, indeed, the only collection of its kind in the world. It will be invaluable to future historical writers of the Baptist denomination, and cannot but be of great value to many others. The transferring of this collection to the room devoted to its use, has already been commenced.

The Library is open six hours daily, Monday—Friday, and for three hours on Saturday. Students are allowed to take books to their rooms, and also have direct and personal access to a collection of 2,000 volumes, or more, placed in the Reading Room. These volumes are changed more or less every term to meet the varying needs of the different departments.

The Librarian and his assistants give the most of their time to the care and development of the Library, and to the work of affording personal aid to the students in the investigation of special subjects and in laying out special courses of reading.

Lectures will be given by the Librarian on the true methods of using and reading books, and on the subject of Library classification. Elementary instruction will also be given in Library economy with the purpose of preparing students who may desire to undertake Library work, for entering the Library school at Albany or elsewhere.

NATURAL SCIENCES.

The departments of Chemistry and Mineralogy, and Physics, occupy the Laboratory building, and are furnished with very complete apparatus for the purposes of instruction. New articles of apparatus are added constantly as they are needed. The courses in Mineralogy have been enlarged during the past year, and by the purchase of a fine working collection of minerals, together with instruments for the study and determination of minerals, students are now offered a short course of practical work in this interesting study. The enlargement of the courses in the department of Biology and Geology has necessitated an increase in the facilities for instruction. The department rooms, including the Museum of Natural History, are at present in West College. The lecture room is furnished with an oxy-hydrogen lantern and microscope, and a superior porte-lumiere for solar projections. The lecture room is also furnished with the State Geological Survey maps, the maps and charts of the United States Geological Survey and Bien's large colored Geological map of the United States; besides the Palæontological Charts and Ideal Geological Landscapes of Zittel and Haushofer, of Munich, which are mounted for ready reference.

The equipment for illustration of the course in Physiology includes microscopes and prepared specimens, dissecting apparatus, an articulated skeleton, models of various organs, and charts.

The BIOLOGICAL LABORATORY was originally equipped by the purchase of apparatus with a fund provided by the class of 1889 as a class memorial. Numerous additions have since been made by funds appropriated by the University. The

apparatus consists, in part, of a number of dissecting and compound microscopes, with section and injecting instruments, dissecting apparatus, aquaria, a lithological lathe, and a large collection of objects for the microscope. Use is also made of the working collections of the Museum. A reference library of standard works is provided from the University library.

The MUSEUM OF NATURAL HISTORY contains the following collections:

The Douglass Herbarium, presented by Dr. J. S. Douglass, filling thirty-three volumes, and illustrating the flora of the northern United States.

The General Zoölogical Collection of alcoholic specimens of type forms. Many of these were collected by the late Professor W. R. Brooks, D. D., and have been re-bottled and classified together with additions collected and purchased.

The Conchological Collection, containing a large number of shells, of which the greater part are tropical species.

The collection of Corals, valuable both by reason of the number of types it contains and the perfection and beauty of the specimens.

The Collection of Birds, including the birds of Europe, East Indies, and North America, secured for the University by Professor A. S. Bickmore of New York.

The General Geological and Palæontological Collection was purchased for the University by Mr. James B. Colgate; it has been labeled and catalogued, and arranged with reference both to chronological succession of periods and zoölogical order of forms.

The Students' Working Collection contains 1,500 to 2,000 Fossils, arranged zoölogically for laboratory work.

The Rocky Mountain Collection of Geological specimens and Fossils, including fossil leaves from the Floresant beds, and fish from the quarries on Bald-Faced Mountain, Wyoming.

With this collection is a set of photographs of many of the exact localities where the specimens were obtained, together with illustrations of geological phenomena in the Yellowstone Park and elsewhere.

The Ward Casts of Extinct Vertebrates includes a series of the most important forms arranged according to the chronological order of their appearance in the geological fauna.

The Mineralogical Collection contains an extensive series of minerals catalogued and arranged.

RELIGIOUS SOCIETIES.

THE SOCIETY FOR INQUIRY is an organization which has been maintained by the students for upward of fifty years, for the purpose of creating and preserving an interest in the work of foreign missions. Besides occasional public lectures and sermons, it also sustains a regular monthly concert of prayer for missions, at which reports are presented on topics relating to missionary work. Through members and correspondents, the society has gathered a well selected Missionary Library of 800 volumes, and a museum with a variety of curiosities from Greece, Hindostan, Burmah, Siam, China, Mexico, Africa and other missionary fields, illustrative of the customs, manners, arts, dress and religious rites of those countries.

THE COLLEGE YOUNG MEN'S CHRISTIAN ASSOCIATION is a large and enthusiastic organization, devoted to the sustaining and extension of religious life among the students. It sustains regular weekly meetings, a Bible Class, and Workers' Training Class, besides occasional public addresses through the year.

EXPENSES.

The necessary expenses of a student in Hamilton are exceeding moderate as the following list will show. Tuition is fixed at a price much lower than that of most eastern institutions, while the dormitories furnish commodious and comfortable rooms at a price merely nominal. Moreover, to all worthy and capable students, aid is furnished by the Baptist Education Society of the State of New York and by numerous scholarships and premiums provided by the University. It is intended so far as possible, that no diligent or worthy student shall leave the institution for lack of means or fail of securing an education. The friends of the institution have made noble provision for this purpose, but the constant increase of the number of students and the extension of the usefulness of the University, make the need of further provision in aid of promising students imperative. It is hoped that those interested in higher education will be inclined to establish many other general scholarships, applicable at the discretion of the University to the assistance of worthy and capable young men.

The following list includes most of the necessary expenses of the undergraduate student for one year :

Tuition, \$45.00. Room rent, \$10.50 or \$15.00, according to the location of the room. To a student rooming alone, the rent is \$21.00 or \$30.00. Students for the ministry are allowed one-half of a \$21.00 room

free, or its value \$10.50 a year, while occupying any room in the college dormitories, either alone or with others.

An additional fee of \$10.00 a term is incurred by those students who take Analytical Chemistry. This sum is intended to cover the expense of chemicals, gas, and the use of general laboratory apparatus. Besides this, each student is furnished with all necessary glassware at the cost price, and charged with that which he breaks. A fee of \$3.00 per term will also be charged for the use of apparatus in the Biological Laboratory.

The above expenses are payable each term in advance, except as stated above. No deduction is made on account of absence, unless the student enter a lower class.

The fees for the degrees in course, including diploma, are five dollars each, payable in advance.

Board is obtained in clubs at an average cost of \$2.25 a week. In private families it varies from \$2.50 to \$3.50. The cost of board and room in private houses is from \$3.50 to \$4.50 a week. The students who room in the college dormitories furnish their own rooms. The care of the rooms is in part committed to the janitor, Mr. L. Gilmartin.

RESOURCES AND AID.

Before the Commencement of 1891, the University possessed, in addition to its grounds and buildings, a productive endowment of about half-a-million dollars: and at that time it received from Mr. James B. Colgate, of New York, an additional gift of a million dollars, invested and bearing interest. The conditions of this gift are so arranged that the income of one half of the amount becomes available for early improvement of the University and extension of its work, while the income of the other half is added for the present to the principal, and thus provides a steadily-growing fund to meet enlarged necessities in the future. This noble gift has strengthened the University in all its work, and opened the prospect of permanent and increasing efficiency.

THE EDUCATION SOCIETY.

Students for the ministry, of suitable character and talents, may receive aid from the Baptist Education Society of the State of New York. The amount furnished varies somewhat according to the needs of the student and his position in the course of study. In addition to the regular contributions made to the society for this purpose, it also has control of a number of scholarships, the income of which is to be expended in the education of young men for the Christian ministry. All

communications with reference to the amount and conditions of help for ministerial students should be addressed to the Secretary of the Education Society, Rev. H. S. Loyd, D. D., Hamilton.

EDUCATION SOCIETY SCHOLARSHIPS.

The following Scholarships are available for the purposes of the Education Society :

The AMOS SMITH SCHOLARSHIP, of \$30.

The H. E. THOMPSON SCHOLARSHIP, of \$60, established by Mrs. H. E. Thompson, for the education of the sons of missionaries.

The JAMES MOORE SCHOLARSHIP, of \$60.

The ERASTUS VILAS SCHOLARSHIP, of \$60.

The JASON C. OSGOOD SCHOLARSHIP, of \$60.

The JAMES WAGER SCHOLARSHIP, of \$72.

The ISAAC PARKER SCHOLARSHIP, of \$30.

The ISAAC ADAMS SCHOLARSHIP, of \$30.

The ZILLA PPILLIPS SCHOLARSHIP, of \$72, established by Mrs. Zilla Phillips.

The ALVAH PIERCE SCHOLARSHIP, of \$60.

The J. B. MURRAY SCHOLARSHIP, of \$90.

The EDWARD JAMES SCHOLARSHIP, of \$60, established by Mrs. Anna James.

The Mrs. H. H. BANDALL SCHOLARSHIP, of \$90.

The MARTHA STUART SCHOLARSHIP, of \$60.

The PHILETUS B. SPEAR SCHOLARSHIP, of \$60.

The EVERETT STICKNEY SCHOLARSHIP, of \$78.

The NORTON SCHOLARSHIP, of \$72.

The JEFFERSON TILLINGHAST SCHOLARSHIP, of \$72.

The ISAAC BRIGGS SCHOLARSHIP, of \$60.

The ESTER E. OTIS SCHOLARSHIP, of \$60.

The CARR SCHOLARSHIP, of \$60.

The MARTHA ROYCE SCHOLARSHIP, of \$72.

The EDWARD JUDSON MEMORIAL SCHOLARSHIP, of \$126, established by the North Orange Baptist Church, of North Orange, N. J.

The F. L. VAN GAASBECK SCHOLARSHIP, of \$60.

The AMELIA L. ROYCE SCHOLARSHIP, of \$60.

The Mrs. PRISCILLA LEACH SCHOLARSHIP, of \$86.

The ERASMUS D. GARNSEY SCHOLARSHIP, of \$60.

The WILLIAM FAIRBURN SCHOLARSHIP, of \$60.
The MRS. JOANN KELLEY SCHOLARSHIP, of \$120.
The RALPH JOHNSON SCHOLARSHIP, of \$60.
The ELIZABETH HOWELL SCHOLARSHIP, of \$120.
The MINERVA RAUSTED SCHOLARSHIP, of \$90.
The D. W. C. and MARTHA LOYD SCHOLARSHIP, of \$30.
The ELIZA M. JOHNSON MEMORIAL SCHOLARSHIP, of \$60.
The JOHN MCCLELLAND SCHOLARSHIP, of \$60.
The HARRIET M. HUTCHINSON SCHOLARSHIP, of \$60.
The DAVIS SCHOLARSHIP, of \$36.

Besides the above there are several scholarships yielding smaller amounts.

THE UNIVERSITY SCHOLARSHIPS.

The University also has at its disposal a number of scholarships, designed for all classes of students, whether students for the ministry or not.

The TREVOR SCHOLARSHIPS—A fund of \$40,000 has been given by the late John B. Trevor, of New York, to establish forty scholarships—twenty yielding \$30 a year and twenty yielding \$90 a year each—for the benefit of those who have served in the army or navy of the United States. "Soldiers or their orphan sons, or sons not orphans, or their brothers or those dependent on soldiers for support—and in this order of preference—shall have the benefit of these scholarships."

The GANO SCHOLARSHIP, of \$90, established by Mrs. Eliza Roberts, of Providence, R. I.

The ELEANOR F. DODGE SCHOLARSHIP, of \$60, established by Mrs. E. F. Dodge, of Providence, R. I.

The EDWARDS SCHOLARSHIP, of \$72, established by Hervey Edwards, of Fayetteville, N. Y.

The VAN ANTWERP SCHOLARSHIP, of \$60, established by William Van Antwerp, of Albany, N. Y.

The PALMER SCHOLARSHIP, of \$60, established by Nelson Palmer, of Athens, N. Y., class of 1849.

The COOLIDGE SCHOLARSHIP, of \$54, established by William Coolidge, of Madison, N. Y.

The PHILLIPS SCHOLARSHIP, of \$30, established by Thomas Phillips, of New York.

The CRISSEY SCHOLARSHIP, of \$30, established by Benjamin Crissey, of New York.

The JEFFERSON TILLINGHAST SCHOLARSHIP, of \$30, established by Jefferson Tillinghast, of Newport, N. Y.

The PEDDIE SCHOLARSHIP, of \$30, established by Thomas B. Peddie, of Newark, N. J.

The INGALLS SCHOLARSHIPS, two of \$30 each, established by Mr. and Mrs. David W. Ingalls, of Hamilton, N. Y.

The BENJAMIN F. TILLINGHAST SCHOLARSHIP, of \$50, established by Benjamin F. Tillinghast, Cortland, N. Y.

The CYNTHIA BURCHARD ANDREWS SCHOLARSHIP, of \$60, established by the late Mrs. Cynthia Burchard Andrews, of Hamilton, N. Y.

The PRESIDENT'S SCHOLARSHIPS, ten of \$39 each, designed for young men of character and capacity not preparing for the Christian ministry.

Written applications may be made to the Treasurer of the University, Mr. W. R. Rowlands, Hamilton, or to any member of the Faculty, giving name, age, residence, purpose in study and means of support. Those who apply for one of the Trevor Scholarships should also state the military service performed.

PRIZES.

The Kingsford Prize Declamation.

Established by Thomson Kingsford, Esq., of Oswego, N. Y.

Premiums of valuable books, for the first and second prizes, are given on Commencement Day to the six successful competitors, out of the twelve speakers chosen from the Freshmen, Sophomore and Junior Classes. Each class furnishes four representatives.

The Baldwin Greek Prizes.

These prizes have been established for the Sophomore Class by Hon. D. P. Baldwin, LL. D., Class of 1856, Logansport, Ind. The examination, from printed papers, is exclusively in writing, and is upon some author, or work of an author, read by the class in the Spring Term of the Sophomore year. It embraces both grammar and subject-matter, with exercises in prose composition. There is a First Prize of \$18.00, and a Second Prize of \$12.00. No student can compete unless his standing in all departments averages at least 4. The award is made by some distinguished scholar not connected with the University. For the present year, the subject is Aeschines' Oration on the Crown. The examination will occur May 28, 1892.

The Osborn Mathematical Prizes.

These Prizes have been provided for the Junior Class by ten of the Alumni and friends of the University. The examination, which is exclusively in writing, is on the subjects of Analytic Geometry and the Calculus. The Prizes, three in number, a First Prize of \$25.00, a Second Prize of \$20.00, a Third Prize of \$15.00, are awarded by some competent scholar, not connected with the University. No student is allowed to compete for these prizes, whose standing in this, or whose average standing in the other departments, falls below 4. For the present year the examination will occur January 16, 1892.

The Sophomore Latin Prizes.

The examination is in writing on some author, or work of an author, read during the third term of the Sophomore year. It includes, however, more than is required of the class, and embraces translation, grammar, and subject-matter. There is a first prize of \$25.00, and a Second Prize of \$15.00. No student is allowed to compete unless his average standing in all departments is at least 4. The award is made by some prominent scholar not connected with the University. The examination this year will be on Selections from the Letters of Pliny the Younger, and will occur June 3, 1892.

The Allen Prize Essays.

Established by the Rev. George K. Allen, Class of 1870.

Two Prizes, of \$17.00 and \$13.00 respectively, are awarded on Commencement Day to two members of the Sophomore Class, for excellence in English composition. For the present year the essay must be upon one of the following subjects:

1. The Relation of James Russell Lowell to Public Affairs.
2. Richard Doddridge Blackmore as a Novelist.
3. Bryce's Estimate of American Institutions.

The Lasher Prize Essays.

Established by the Rev. George W. Lasher, D. D., Class of 1857.

Two Prizes of \$17.00 and \$13.00 respectively, are awarded on Commencement Day to two members of the Junior Class, for excellence in English composition. For the present year the following subjects have been assigned, one of which must be chosen:

1. The Position of James Russell Lowell in American Literature.
2. Charles Stewart Parnell as a Political Leader.
3. William Morris as Poet and Reformer.

The successful competitors will read their essays before the Faculty and students in chapel, on the Friday morning before Commencement.

The following regulations apply to both the Allen and Lasher Prize Essays:

1. Each Prize Essay must contain not more than fifteen hundred words, and must be so written that the manuscript will show broad margins, and be suitable for binding; it must be signed with fictitious name, and this fictitious name must be subscribed in the sealed note containing the writer's real name.

2. Before the day appointed for receiving the prize essays every competitor must register his name with the Professor of English.

3. The essays which receive awards will remain in the possession of the Librarian, and will not be returned to the writers.

The Lawrence Chemical Prizes.

Maintained by Mr. G. O. C. Lawrence, of Buenos Ayres, S. A.

Two Prizes, of \$25.00 and \$15.00 respectively, are awarded, on Commencement Day, for excellence in Analytical Chemistry. The examination, which is exclusively in writing, is upon the subjects of General and Analytical Chemistry, as given in Courses 1-4. Any student in this department, who is a candidate for a degree, may compete for these prizes, provided his work in all other departments is satisfactory, and his average standing in this department is not below 4. The next examination will occur June 1, 1892.

The Bushnell Historical Prizes.

Established by Wm. M. Bushnell, Esq., of St. Paul, Minn.

Two Prizes, of \$50.00 and \$25.00 respectively, are awarded on Commencement Day to two members of the Senior Class, for excellence in the presentation of some historical topic, such presentation to be by a thesis, not exceeding three thousand words, and subject to the Regulations for Prize Composition, with the following exceptions and additions:

1. Any member of the Senior Class, candidate for a degree, whose average standing is at least *medium*, who has maintained a standing of 4 in the Department of History, and who has completed History Courses 1-6, may compete.
2. The successful competitors will read their theses before the class. The theses will become the property of the Department of History, and will be reserved for publication.

For the present year the following themes are offered, one of which must be chosen:

1. The Economic Causes of the Rebellion.
2. The Development of the Executive under the Colonial Government.
3. The Influence of the City in the Overthrow of Feudalism.
4. The Jew in Mediæval Europe.

The Clarke Prize in Oratory.

Established by Sidney Clarke, Esq., of Park River, No. Dakota.

The contest for this prize occurs at the opening of the Spring Term, and the prize of \$50.00, for excellence in oratory, is awarded on Commencement Day. The regulations for competition are as follows:

1. Any member of the Senior Class, candidate for a degree, who has maintained standing up to the term of competition, may present an oration.

2. The oration presented must contain not more than fifteen hundred words, and, in general, is subject to the Regulations for Prize Composition.

3. From the whole number of orations presented, six shall be selected for public delivery.

4. The prize shall be awarded on the ground of excellence both in composition and in delivery.

The following topics are offered for the present year, one of which must be chosen :

1. The Anglo-Saxon as a Colonizer.
2. The Problem of Modern Missions.
3. The New South and the Negro.
4. The Destiny of Canada.
5. The War Cloud in Europe.
6. Wendell Phillips the Agitator.

The Class of 1884 Prize Debate.

The Class of 1884 have established a fund whose annual interest will maintain a public prize debate, to be held during Commencement week. The competitors will be chosen from the Graduating Class, and they will be selected from those who have made the highest averages in debate throughout the Senior year. The prizes are \$40.00 and \$20.00.

The Lewis Commencement Prize.

Established in Memory of George W. M. Lewis, of Utica, N. Y., by the late Professor John James Lewis, LL. D.

On Commencement Day of each year, the sum of \$60.00 will be awarded to that member of the Graduating Class who excels in the composition and delivery of an original oration.

Regulations of the Competition for the George W. M. Lewis Commencement Prize.

1. Every candidate for a degree, who shall be appointed to speak at Commencement, may compete for this prize.

2. Eight minutes will be the limit of time for the delivery of each oration.

3. The Committee of Award will consist of five persons not residents of Hamilton.

4. The sum of \$60.00 will be awarded without division to one orator before the close of the Commencement exercises.

GOVERNMENT.

SPECIAL REGULATIONS.

Few formal laws are laid down by the University for the government of its students. It is expected that each student, during his residence in the University, will conduct himself in all his relations as a gentleman. Beyond this, formal laws are unnecessary. Examinations, oral or written, are conducted each term in the studies of the term. These examinations are conducted publicly, by a committee appointed by the Faculty, and are made a test of the student's proficiency and qualification for advancement. Beside the examination each officer grades the scholarship of his students at each day's performance in the following scale of merit: *Maximum Grade*, 5; *Superior*, 4; *Medium*, 3; *Inferior*, 2; *Minimum*, 1. At the close of each term, the average standing is recorded.

No student shall be considered to have passed the term examination whose term standing shall not have reached at least 3, such term standing, to be made up from the mark for the term's work and the mark for examination, combined in the proportion of 4 to 1. No student, except by special vote of the Faculty, shall be advanced from any class to the next higher, unless he have an average standing of 3 in every department of study.

Delinquents in term examinations, who fail to present themselves at the special examination succeeding, or who fail to

pass such examination, are deprived of all privileges of the class room, unless a postponement of examinations to a definite time is granted by special action of the Faculty. The above regulation applies also to students who for any reason shall fail to meet their appointments in Elocution or Oratory, and shall not have made up the same before the close of the term in which the appointments occurred.

If a student shall marry during his course of study, he thereby dissolves his connection with the University. The question of re-admission is subject to the discretion of the Faculty, but in no case shall he be allowed to rënter his class.

The Dean has the general supervision, under the Faculty, of the choice of elective studies. Students are required to register their choice on or before the first day of each term, but it is desirable that such choice be reported before the close of the preceding term. After the second Friday night of the term no changes will be allowed, and none before that time, except by special vote of the Faculty.

Students pursuing a select course, not candidates for a degree, may upon application to the President, receive a certificate stating the courses which they have successfully completed. No degree, however, can be conferred, or certificate given, unless the applicant shall have sustained a good moral character, settled all college bills, and returned all books to the Library.

Only those students who are candidates for a degree can compete for prizes or other college honors. But all who enter the regular courses, candidates for a degree, are placed upon an equal footing in such competition, unless specified conditions are made.

No student is allowed to compete for any prize, unless he have passed all examinations prior to the term in which such competition takes place, and has also maintained standing during the term of competition. No credit in class standing is given for prize work. Students admitted to any class with conditions, must pass examination on the subjects in which conditions have been imposed, before competing for any prize.

In general, it is expected, that each student will be present at every exercise in the subjects which he is pursuing. In order, however, to cover all cases of necessary absence, an allowance in each department is granted, without incurring any disability and without affecting the record of the student for scholarship. In no case however, shall the absences from the exercises of any subject exceed one-tenth of the exercises of the term, unless the student be specially excused by the Faculty. Those who exceed the number of absences allowed, shall be considered as delinquents in the work of the term, and shall suffer such disability as the officer in charge of the department shall see fit to impose. In all cases in reckoning the number of absences, the first three or the last three recitation days of the term shall count double.

STUDENTS.

POST-GRADUATE.

LOCKHART, ALBERT EDWIN, A. B., Madison.	Chemistry.
--	------------

SENIOR CLASS.

[The Roman Numerals refer to the course pursued, see page 45.]

ALLEN, ARTHUR MOSELY, Georgetown.	I.	22 E. C.
BALDWIN, JAMES FOSDICK, Granville, Ohio.	I.	Mr. J. W. Davies's.
BECKWITH, GEORGE SHELDON, Schenectady.	I.	21 W. C.
BIGGS, LOUIS CARL HUESTIS, Boston, Mass.	I.	25 E. C.
CARPENTER, DAN SHELDON, Westport.	I.	A. K. E. House.
CASE, EMMETT INMAN, Plainfield, N. J.	I.	32 E. C.
CHOLLAR, HARVEY WILLIAM, Homer.	I.	35 W. C.
GREGG, HUGH GILMORE, Barnes Corners.	I.	37 E. C.
HAINES, CHARLES WITCRAFT, Philadelphia, Pa.	I.	Mr. T. C. Haines's.
HOWE, SHERMAN LORENZO, East Dover, Vt.	I.	34 E. C.
KING, FRED HOWARD, Oswego.	I.	Mr. F. H. Ingalls's.

KNIGHT, ARCHIBALD SMITH, Mexico.	I.	<i>A. T.</i> House.
LEMON, CHARLES AUGUSTUS, Attica.	I.	32 <i>W. C.</i>
MARENES, BURTON HENRY, Norwich.	I.	24 <i>W. C.</i>
MURPHY, HOWARD WILLIAM, Albany.	III.	Mr. J. K. Sawdey's.
POTTER, HENRY STERLING, Carthage.	I.	32 <i>E. C.</i>
POTTER, FRANK HAZEN, Carthage.	I.	<i>A. T.</i> House.
RANDALL, JOHN HERMAN, St. Paul, Minn.	I.	Mrs. Riddell's.
STEVENS, ELMER TILSON, Cochituate, Mass.	I.	<i>A. K. E.</i> House.
STURGES, JAMES VERNE, North Norwich.	I.	24 <i>W. C.</i>
SUTPHIN, ARCHIBALD HEYER, Holmdel, N. J.	I.	16 <i>W. C.</i>
TAYLOR, ARTHUR GRANT, Waverly, Pa.	III.	Mr. Patterson's.
WAGER, CHARLES HENRY ADAMS, Cohoes.	I.	Professor R. W. Moore's.

SENIORS, -----23.

JUNIOR CLASS.

BACON, WALTER VALENTINE, Leyden.	I.	$\Phi. \Gamma. \Delta.$ Hall.
BELDEN, FRANK ORSON, Castile.	V.	$\Delta. \Gamma.$ House.
BRAKER, GEORGE, JR., Brooklyn.	I.	$\Delta. K. E.$ House.
BROKAW, LEWIS ELLSWORTH, New Market, N. J.	I.	20 E. C.
BRYAN, THOMAS JOSEPH, Boston, Mass.	I.	$\Delta. K. E.$ House.
COBURN, FRED EUGENE, Lowell, Mass.	I.	$\Phi. \Gamma. \Delta.$ House.
ERDMANN, ADOLPH FREDERICK, Brooklyn.	I.	Mr. F. H. Divine's.
FITCH, EVERETT HENRY, Noank, Conn.	I.	17 W. C.
GRAY, ROLAND PALMER, New York.	I.	Mr. A. S. Swift's.
HARMON, DWIGHT DANA, Lawrenceville.	I.	34 E. C.
HENDRICKSON, JUDSON COOPER, Mexico.	I.	$\Phi. \Gamma. \Delta.$ Hall.
HOWD, EMMOTT, Schenectady.	I.	22 W. C.
LANG, GEORGE WELLS, Skaneateles.	I.	23 W. C.
LEONARD, JAMES SYDNEY, Hamilton.	III.	Mr. J. F. Leonard's.
MCALLISTER, HARRY JAMES, Towanda, Pa.	I.	18 E. C.
MCLELLAN, ROBERT INGLIS, Glasgow, Scotland.	I.	41 E. C.
PARSONS, WALTER BERGEN, Red Bank, N. J.	V.	$\Delta. K. E.$ House.

PETTES, BENJAMIN HIRAM, Towanda, Pa.	I.	18 E. C.
SMITH, PRESTON HOPKINS, Hamilton.	III.	Mr. L. M. Smith's.
SMITH, WILL, BERTRAND, Brattleboro, Vt.	I.	Mr. J. C. Waldron's.
TUPPER, EDWARD LEONARD, Raleigh, N. C.	I.	A. K. E. House.
WHITE, WILLIAM FRANK, Hamilton.	I.	Mrs. M. G. White's.
WOOD, IDELL HARTSON, Boonton, N. J.	I.	Mr. J. C. Waldron's.

JUNIORS, -----23.

SOPHOMORE CLASS.

ALDRICH, CYRUS, Hamilton.	I.	Mr. B. F. Bonney's.
BECKER, FREDERICK CURTIS, Columbia, S. C.	I.	<i>A. T.</i> House.
BLANDEN, MERRILL JAY, Belleville.	I.	37 E. C.
BRIGGS, GEORGE ALBERT, Hamilton.	I.	29 E. C.
BOWN, BYRON ARTHUR, Fairport.	I.	<i>A. T.</i> House.
BROWNELL, CLARK TINKHAM, Cambridge.	I.	37 W. C.
CHENEY, SAMUEL TORREY REED, Jamaica, Vt.	I.	Miss Maggie Lillie's.
CHESTER, WAYLAND MORGAN, Noank, Conn.	I.	17 W. C.
CLARK, VINTON ALBERT, Hamilton.	III.	Mrs. H. M. Clark's.
COLEGROVE, DWIGHT HEMAN, Clinton.	I.	Mr. A. Dart's.
EDDY, BURT HENRY, West Brattleboro, Vt.	I.	16 E. C.
EDWARDS, JAMES ROMULUS, Mount Vernon Springs, N. C.	I.	28 W. C.
FOGG, MILLER MOORE, JR., Palermo, N. J.	I.	Mr. J. K. Sawdey's.
GALPIN, FRED TOWER, Canandaigua.	I.	33 W. C.
GODDARD, WILLIAM DEAN, Hamilton.	I.	Mrs. J. R. Goddard's.
HUNTER, WILLIAM, JR., Ilion.	II.	24 E. C.
JOHNSON, EDWIN HOWARD, Chelsea, Mass.	I.	36 E. C.

LEETE, JOHN HOPKINS, Detroit, Mich.	I.	<i>A. T.</i> House.
LEONARD, WALTER ADNA, Hoosick Falls.	I.	9 W. C.
MARTIN, HERBERT E., Homer.	I.	Smith Block.
METS, JAMES ANDREW, JR., Somerville, N. J.	I.	Mr. G. W. Waite's.
MORRIS, FRANK RICHARD, Portlandville.	I.	<i>A. T.</i> House.
NEWELL, HARRY EMORY, Davenport.	III.	<i>A. K. E.</i> House.
PURINTON, HARRY EDWARD, Buffalo.	I.	Dr. Maynard's.
RIFENBURGH, GEORGE LAFAYETTE, Charlotteville.	III.	Mrs. Ingalls's.
RISLEY, ADNA WOOD, Syracuse.	I.	Mrs. C. F. Risley's.
ROGERS, ALFRED WILLIAM, Oneida.	I.	28 W. C.
SHELDON, EDWARD HOWARD, Wakefield, Mass.	III.	30 E. C.
STARK, CLIFFORD, Waverly.	I.	Miss Berry's.
SCHMIDT, EMANUEL, Hadiksvall, Sweden.	I.	Professor Schmidt's.
STELLE, WILLIAM BERGEN, Jersey City, N. J.	I.	Mr. Hurn's.
STEVENSON, HUGH THOMAS, Albany.	I.	<i>Φ. T. A.</i> Hall.
STRONG, WILLIAM MAHLON, Terrytown, Pa.	I.	37 W. C.
TAYLOR, JAMES PADDOCK, Hamilton.	I.	Professor Taylor's.
WILSON, CHARLES CARL, Decatur, Ill.	I.	27 E. C.
WINTERS, HARRY SUNDERLAND, San Mateo, Fla.	I.	Mrs. Campbell's.

Not Candidates for a Degree.

IRWIN, JOSEPH YOUNG, New York.	31 E. C.
MANY, JAMES WARREN, Mount Vernon.	Mrs. J. G. Abel's.
PEDDIE, JOHN WAYLAND, Philadelphia, Pa.	Δ. K. E. House.
ROCKWELL, GEORGE WILLARD, Jersey City, N. J.	21 W. C.
SCOTT, JAY HUNTINGTON, Albion, Mich.	15 W. C.
VAN KIRK, HERBERT, Greenwich.	Mrs. Kingsley's.
WILSON, JAMES ERWIN, Dundee.	13 E. C.

SOPHOMORES, -----43.

FRESHMEN CLASS.

ALDEN, CHARLES ANDREWS, Hoosick Falls.	I.	Mr. G. W. Waite's.
ANDERSON, JOHN BENJAMIN, Minneapolis, Minn.	I.	20 W. C.
APPLEGATE, JOHN STILWELL, Red Bank, N. J.	I.	A. K. E. House.
BACON, CHARLES BOWMAN, New Lebanon.	I.	Dr. Maynard's.
BENDER, HENRY KANE, Cossayuna.	I.	39 E. C.
BLACKFORD, ELMER STELLE, New Market, N. J.	I.	Mr. Hurn's.
BOGART, WILL EDWIN, Masonville.	I.	College Street.
BUCKLIN, ORVILLE MILTON, Kankakee, Ill.	I.	3 W. C.
BUSTARD, WILLIAM WALTER, Paterson, N. J.	I.	3 E. C.
BUSTIN, DENNIS JOSEPH, Towanda, Pa.	I.	Mr. J. B. Smith's.
CARR, GEORGE HENRY, Clarence Center.	I.	33 E. C.
CHESTER, HOWARD ELDRIDGE, Albion.	I.	31 W. C.
CHITTENDEN, ARTHUR SMITH, Binghamton.	I.	Mr. Barrett's.
CLARE, DANIEL HUNT, Newark, N. J.	I.	26 W. C.
DANA, RICHARD FALLS, New Castle, Pa.	I.	Mr. Barrett's.
DAVIS, JESSE BUTRICK, Detroit, Mich.	III.	Mr. Hubbard's.
FINCH, JOHN WELLINGTON, Earlville.	I.	26 W. C.

GRANT, ELMER DANIEL, Westville.	I.	Mr. F. H. Ingalls's.
GRIFFITH, JOHN WILLIAM, Nanticoke, Pa.	I.	25 W. C.
HATCH, FREDERICK WILLIAM, Washington, D. C.	I.	14 W. C.
HICKS, KENNETH CLARK, Canandaigua.	I.	33 W. C.
LAW, CHARLES BLAKESLEE, Bartlett.	IV.	<i>A. T.</i> House.
MACLAY, WALTER, Fleetville, Pa.	I.	25 W. C.
MOLYNEAUX, HARRY SAMUEL, Millview, Pa.	III.	18 E. C.
MUNRO, FAYETTE SMITH, Camillus.	I.	<i>A. K. E.</i> House.
MUNRO, PHILLIP ALLEN, Camillus.	I.	<i>A. K. E.</i> House.
NIMS, HERBERT EDWARD, Decatur, Ill.	I.	27 E. C.
SARGENT, ROSCOE, Sandy Creek.	I.	48 E. C.
SIMPSON, ARTHUR HENRY, Wolverton, Eng.	V.	44 E. C.
SPENCER, FRANCIS HENRY, Deep River, Conn.	III.	Mr. J. C. Waldron's.
STACKPOLE, MARKHAM WINSLOW, Hamilton.	I.	Mrs. Stackpole's.
THOMPSON, ROBERT RHEA, Red Bank, N. J.	I.	3 E. C.
TURNER, JAMES OLIN, Middletown, Conn.	I.	Mr. J. C. Waldron's.
VREDENBURGH, IRVING EZRA, Oil City, Pa.	V.	<i>Φ. Γ. A</i> Hall.
WATERHOUSE, WILLIAM PARMELEE, Beaufort, S. C.	III.	Miss Berry's.
WATKINS, ARTHUR CHARLES, Sandy Creek.	I.	48 E. C.

WILLIAMS, FRANK MARTIN, Durhamville.	I.	13 W. C.
WILLIAMS, GEORGE DAVID, Durhamville.	I.	13 W. C.
WINTERS, HERBERT DANIEL, Dundee.	I.	18 E. C.
WINTERS, WALTER PAYNE, De Land, Fla.	I.	Mrs. Campbell's.
WOODRUFF, ERNEST HALL, Waverly.	I.	Mr. F. H. Ingalls's.

Not Candidates for a Degree.

COOTE, JAMES, Brooklyn.	31 E. C.
FREEMAN, EVERETT LEROY, New Brunswick, N. J.	4 E. C.
FRISBIE, GEORGE ALBERT, Camden.	Δ. K. E. House.
HANKS, HARVEY ALEXANDER, Cossayuna.	Mrs. Neiss's.
KEENEY, CLAUDE EVERETT, Ravenswood, W. Va.	Δ. K. E. House.
PATTERSON, WILLIAM LEE, New Castle, Pa.	Mr. Barrett's.
SEARS, IRVING SMITH, Delphi.	Dr. Tompkins's.
WALKER, ABBOTT REVERE, Washington, D. C.	14 W. C.
WALLEN, EDGAR POE, West Brattleboro, Vt.	Mr. Wallen's.

FRESHMEN, -----50.

SUMMARY.

Post-Graduate,-----	1
Senior Class,-----	23
Junior Class,-----	23
Sophomore Class,-----	43
Freshmen Class,-----	50
Total-----	140

ABBREVIATIONS.

E. C.,-----	East College.
W. C.,-----	West College.

COMMENCEMENT EXERCISES.

THURSDAY, JUNE 18, 1891.

INVOCATION.

Music.

SALUTATORY ORATION,-----GOVE GRIFFITH JOHNSON.

Music.

ORATION,-----"Cardinal Newman and the English Church."

GEORGE DURWARD ADAMS.

ORATION,-----"A Nation's Monument to Heroes."

WILLIAM MARVIN BENNETT.

ORATION—"General Sherman,"-----CHARLES RUSSELL CLAPP.

Music.

ORATION—"The Mission of Charity,"-----JOHN V. ELLSON.

ORATION—"Wendell Phillips,"-----ERWIN CHARLES HARMON.

ORATION,-----"The Future of Russian Imperialism."

ADONI JUDSON HARTNESS.

Music.

ORATION,-----"In Darkest England: An Appeal."

NEWTON CLARK HOLDRIDGE.

ORATION,-----"The Nineteenth Century Man of God."

GOVE GRIFFITH JOHNSON.

PHILOSOPHICAL ORATION,-----"The Failure of Materialism."

ARTHUR BARLOW POTTER.

Music.

ORATION,-----"Our Nation's Debt to Her Soldier Survivors."

GEORGE DICKER KNIGHTS.

ORATION—"A Modern Conviction,"-----ELMER WILLIAM SMITH.

ORATION—"Robert Browning: Preacher,"-----HOMER FENTON YALE.

CLASSICAL ORATION,-----"The Puritan in America."

HERBERT MORSE BURCHARD.

Music.

VALEDICTORY ORATION AND ADDRESSES, "Agnosticism and the People."

CARL DELOS CASE.

Music.

CONFERRING OF AWARDS AND DEGREES.

BENEDICTION.

DEGREES.

CONFERRED JUNE 18, 1891.

B. P.

CHARLES RUSSELL CLAPP,-----	Ballston.
EDWARD GLENN COOK,-----	Wilmington, Del.
JOHN V. ELLSON,-----	Brooklyn.
ARTHUR BARLOW POTTER,-----	Alpena, Mich.
* DAVID FRANKLIN OSGOOD,-----	Verona.

B. S.

CHARLES FLETCHER BRAMAN, JR.,-----	Mount Morris.
WILLIS LOCKE ROWLANDS,-----	Utica.

A. B.

GEORGE DURWARD ADAMS,-----	Randallsville.
AUGUSTUS NICHOLS ALLEN,-----	Brookfield.
WILLIAM MARVIN BENNETT,-----	Bainbridge.
HERBERT MORSE BURCHARD,-----	Hamilton.
CARL DELOS CASE,-----	Hutchinson, Minn.
FRANK HENRY DIVINE,-----	Binghamton.
JOHN BERNARD EKELEY,-----	Wahoo, Neb.
ERWIN CHARLES HARMON,-----	Edwards.
ADONI JUDSON HARTNESS,-----	North Gage.
JAMES JEROLAMAN HIGGINS,-----	Flemington, N. J.
NEWTON CLARK HOLDRIDGE,-----	Elm, N. J.

* Deceased April 14, 1891.

GOVE GRIFFITH JOHNSON,	Burlington, Iowa.
GEORGE DICKER KNIGHTS,	Russia.
ALBERT EDWIN LOCKHART,	Madison.
ERNEST ETHAN RACE,	Greene.
ELMER WILLIAM SMITH,	Gouveneu.
HENRY JOSEPH WHALEN,	Hamilton.
HOMER FENTON YALE,	Bainbridge.

A. M. (in course.)

FRANK CLAWSON BARRETT,	Durhamville.
HIRAM LINCOLN BENTON,	Bainbridge.
WILLIAM SOLYMAN COONS,	Ballston.
GEORGE WILLIAM DOUGLASS,	Brooklyn.
IRVING ALONZO DOUGLASS,	Brooklyn.
LEWIS ANSON EATON,	Bangkok, Siam.
EDWIN NEWTON FLETCHER,	Patten, Me.
CLAYTON GRINNELL,	Broadalbin.
EDGAR BURTON HUTCHINS,	Morrill, Kan.
GEORGE BENEDICT LAWSON,	Delhi.
CHARLES CLARK PIERCE,	Walton.
FENTON CRAIG ROWELL,	Factoryville, Penn.
EUGENE ANDREWS ROWLAND,	Rome.
HERBERT J. SMITH,	Oswego.
RALPH WILMER THOMAS,	Albany.
DWIGHT CARPENTER TOWNSEND,	Tabor, Iowa.

A. M. (ex honore.)

DR. THOMAS C. ELY, JR.,	Philadelphia, Penn.
PROF. LOUIS EDWIN MARTIN,	Ongole, India.
REV. GEORGE E. SOPER,	Rochester.

D. D.

REV. ALBERT EDWARD WAFFLE,	Jamestown.
----------------------------	------------

LL. D.

PRESIDENT JOHN H. HARRIS,	Bucknell University.
---------------------------	----------------------

HONORS.

Honors in the Class of 1891.

Valedictory Oration,-----	CARL DELOS CASE.
Salutatory Oration,-----	GOVE GRIFFITH JOHNSON.
Classical Oration,-----	HERBERT MORSE BURCHARD.
Philosophical Oration,-----	ARTHUR BARLOW POTTER.

Phi Beta Kappa.

The first three men of the Class, and ERWIN CHARLES HARMON, were received as members of the Phi Beta Kappa Society.

The Lewis Commencement Prizes in Oratory.

GOVE GRIFFITH JOHNSON,-----	<i>First.</i>
CARL DELOS CASE,-----	<i>Second.</i>

Committee of Award, {	Rev. D. D. MACLAURIN,-----	New York.
	Rev. J. W. FORD, D. D.,-----	St. Louis, Mo.
	Rev. A. E. WAFFLE, D. D.,-----	Jamestown.
	Rev. H. B. GROSE,-----	Ballston.
	Rev. G. P. PERRY,-----	Central Falls, R. I.

The Class of 1884 Prize Debate.

THE RESOLUTION: *Resolved*, That the best interests of the United States demand a further restriction upon immigration.

Affirmative—C. R. CLAPP, F. H. DIVINE, E. W. SMITH.

Negative—C. D. CASE, E. C. HARMON, G. G. JOHNSON.

CHARLES RUSSELL CLAPP,-----	<i>First.</i>
GOVE GRIFFITH JOHNSON,-----	<i>Second.</i>

Committee of Award, {	Rev. S. D. BURCHARD, D. D.,-----	New York.
	Rev. O. E. MALLORY,-----	Lowell, Mass.
	Hon. C. M. PARKE,-----	Gloversville.

The Clarke Prize in Oratory.

Contestants—G. D. ADAMS, C. D. CASE, C. R. CLAPP, E. C. HARMON,
* D. F. OSGOOD, W. L. ROWLANDS.

Awarded to-----CHARLES RUSSELL CLAPP.

Subject—*The Mantle of Livingstone.*

Committee of Award, { E. W. CUSHMAN, Esq.,-----Hamilton.
Rev. G. W. PATTERSON,-----Hamilton.
Rev. H. W. P. ALLEN,-----Hamilton.

The Bushnell Historical Prizes.

1. The Changes Wrought by William the Conquerer in the English Constitution,-----ERNEST ETHAN RACE.
2. The Changes Wrought by William the Conquerer in the English Constitution,-----ERWIN CHARLES HARMON.

Committee of Award, Professor HARRY PRATT JUDSON, University of Minnesota.

The Lawrence Chemical Prizes.

HENRY STERLING POTTER,-----*First.*
ARTHUR GRANT TAYLOR,-----*Second.*

Committee of Award, Professor FRANK P. VENABLE, Ph. D., University of North Carolina.

The Lasher Prizes in English Composition.

JACOB GEORGE HALAPLIAN,-----*First.*
SHERMAN LORENZO HOWE,-----*Second.*

Committee of Award, Professor C. F. RICHARDSON, Dartmouth College.

The Allen Prizes in English Composition.

WILLIAM FRANK WHITE,-----*First.*
ROBERT INGLIS McLELLAN,-----*Second.*

Committee of Award, Professor J. SCOTT CLARK, Syracuse University.

* Deceased April 14, 1891.

THE ALUMNI ASSOCIATION.

The members of this Association consist of Graduates from any one of the courses of study in Colgate University or Hamilton Theological Seminary, and of such persons as have received Honorary Degrees from the University. These, after application, are elected at the Annual Meeting. It also includes Associate Members, duly elected at the Annual Meeting.

OFFICERS FOR 1891-92.

PRESIDENT,

REV. ROBERT G. SEYMOUR, D. D., ('66,)-----Auburn, N. Y.

VICE PRESIDENTS,

REV. E. B. PALMER, D. D., ('60,)-----Philadelphia, Pa.

C. E. WILSON, Esq., ('61,)-----New York City.

C. H. LEWIS, Esq., ('73,)-----Syracuse, N. Y.

E. D. W. PETTEYS, Esq., ('82,)-----Keyport, N. J.

SECRETARY,

C. W. UNDERHILL, Esq., ('62,)-----Hamilton, N. Y.

TREASURER,

PROFESSOR J. M. TAYLOR, ('67,)-----Hamilton, N. Y.

ORATOR AT COMMENCEMENT, 1892,

HON. D. P. BALDWIN, LL. D., ('56,)-----Logansport, Ind.

ALTERNATE,

PROFESSOR W. P. THOMSON, ('77,)-----Auburn, N. Y.

NECROLOGIST,

PROFESSOR W. H. CRAWSHAW, ('87,)-----Hamilton, N. Y.

CALENDAR 1892.

1893.

JANUARY.							JULY.							JANUARY.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
--	--	--	--	--	I	2	--	--	--	--	--	I	2	I	2	3	4	5	6	7
3	4	5	6	7	8	9	3	4	5	6	7	8	9	8	9	10	11	12	13	14
10	11	12	13	14	15	16	10	11	12	13	14	15	16	15	16	17	18	19	20	21
17	18	19	20	21	22	23	17	18	19	20	21	22	23	22	23	24	25	26	27	28
24	25	26	27	28	29	30	24	25	26	27	28	29	30	29	30	31	--	--	--	--
31	--	--	--	--	--	--	31	--	--	--	--	--	--	--	--	--	--	--	--	--
FEBRUARY.							AUGUST.							FEBRUARY.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
--	I	2	3	4	5	6	--	I	2	3	4	5	6	--	--	--	I	2	3	4
7	8	9	10	11	12	13	7	8	9	10	11	12	13	5	6	7	8	9	10	11
14	15	16	17	18	19	20	14	15	16	17	18	19	20	12	13	14	15	16	17	18
21	22	23	24	25	26	27	21	22	23	24	25	26	27	19	20	21	22	23	24	25
28	29	--	--	--	--	--	28	29	30	31	--	--	--	26	27	28	--	--	--	--
MARCH.							SEPTEMBER.							MARCH.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
--	--	I	2	3	4	5	--	--	--	--	I	2	3	--	--	--	I	2	3	4
6	7	8	9	10	11	12	4	5	6	7	8	9	10	5	6	7	8	9	10	11
13	14	15	16	17	18	19	11	12	13	14	15	16	17	12	13	14	15	16	17	18
20	21	22	23	24	25	26	18	19	20	21	22	23	24	19	20	21	22	23	24	25
27	28	29	30	31	--	--	25	26	27	28	29	30	--	26	27	28	29	30	31	--
APRIL.							OCTOBER.							APRIL.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
--	--	--	--	--	I	2	--	--	--	--	--	--	I	--	--	--	--	--	--	I
3	4	5	6	7	8	9	2	3	4	5	6	7	8	2	3	4	5	6	7	8
10	11	12	13	14	15	16	9	10	11	12	13	14	15	9	10	11	12	13	14	15
17	18	19	20	21	22	23	16	17	18	19	20	21	22	16	17	18	19	20	21	22
24	25	26	27	28	29	30	23	24	25	26	27	28	29	23	24	25	26	27	28	29
--	--	--	--	--	--	--	30	31	--	--	--	--	--	30	--	--	--	--	--	--
MAY.							NOVEMBER.							MAY.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
I	2	3	4	5	6	7	--	--	I	2	3	4	5	--	I	2	3	4	5	6
8	9	10	11	12	13	14	6	7	8	9	10	11	12	7	8	9	10	11	12	13
15	16	17	18	19	20	21	13	14	15	16	17	18	19	14	15	16	17	18	19	20
22	23	24	25	26	27	28	20	21	22	23	24	25	26	21	22	23	24	25	26	27
29	30	31	--	--	--	--	27	28	29	30	--	--	--	28	29	30	31	--	--	--
JUNE.							DECEMBER.							JUNE.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
--	--	--	I	2	3	4	--	--	--	--	I	2	3	--	--	--	--	I	2	3
5	6	7	8	9	10	11	4	5	6	7	8	9	10	4	5	6	7	8	9	10
12	13	14	15	16	17	18	11	12	13	14	15	16	17	11	12	13	14	15	16	17
19	20	21	22	23	24	25	18	19	20	21	22	23	24	18	19	20	21	22	23	24
26	27	28	29	30	--	--	25	26	27	28	29	30	31	25	26	27	28	29	30	--

UNIVERSITY CALENDAR.

1891.

<i>September 10.</i>	Fall Term commenced Thursday.
<i>December 18, 21, 22.</i>	Term-Examinations, Friday, Monday, Tuesday.
<i>December 22.</i>	Fall Term closes, Tuesday.

Christmas Vacation.

1892.

<i>January 6.</i>	Winter Term commences, Wednesday.
<i>January 9.</i>	Special Examinations, Saturday.
<i>January 16.</i>	Osborn Mathematical Prize Examination, Saturday.
<i>January 28.</i>	Day of Prayer for Colleges, Thursday.
<i>February 22.</i>	Holiday (Washington's Birthday.)
<i>February 24.</i>	Clarke Prize Orations presented, Wednesday Noon.
<i>March 21-23.</i>	Term-Examinations, Monday, Tuesday, Wednesday.
<i>March 23.</i>	Winter Term closes, Wednesday.

Vacation of One Week.

<i>March 31.</i>	Spring Term commences, Thursday.
<i>April 2.</i>	Special Examinations, Saturday.
<i>April 6.</i>	Lasher and Allen Prize Essays presented, Wednesday Noon.
<i>April 8.</i>	Clark Prize Exhibition, Friday.
<i>April 27.</i>	Bushnell Historical Theses presented, Wednesday Noon.
<i>May 5.</i>	Commencement Orations presented, Thursday Noon.
<i>May 28.</i>	Baldwin Greek Prize Examination, Saturday.

<i>May 30.</i>	Holiday (Decoration Day,) Monday.
<i>June 1.</i>	Lawrence Chemical Prize Examination, Wednesday Afternoon.
<i>June 3.</i>	Sophomore Latin Prize Examination, Friday Afternoon.
<i>June 7, 8.</i>	Examinations of the Senior Class, Tuesday, Wednesday.
<i>June 8-10.</i>	Term-Examinations, Wednesday, Thursday, Friday.
<i>June 13, 14.</i>	First Entrance-Examinations, Monday, Tuesday.
<i>June 13.</i>	Kingsford Prize Declamation, Monday Afternoon.
<i>June 14.</i>	Anniversary of Colgate Academy, Tuesday Morning.
<i>June 14.</i>	Class of 1884 Prize Debate, Tuesday Afternoon.
<i>June 14.</i>	Meeting of University and Education Boards, Tuesday.
<i>June 14.</i>	Meeting of Education Society, Tuesday Evening.
<i>June 15.</i>	Anniversary of the Seminary, Wednesday Morning.
<i>June 15.</i>	Meeting of the Alumni Association, Wednesday Evening.
<i>June 16.</i>	SEVENTY-SECOND COMMENCEMENT of Colgate University, Thursday.

Vacation of Twelve Weeks.

<i>September 6, 8.</i>	Second Entrance-Examinations, Tuesday, Wednesday, Thursday.
<i>September 8.</i>	Fall Term commences, Thursday.
<i>September 10.</i>	Special Examinations, Saturday.
<i>September 30.</i>	College Field-Day, Friday.
<i>November 8.</i>	Holiday (Election Day,) Tuesday.
	Thanksgiving Recess, Thursday, Friday, Saturday.
<i>December 19, 20, 21.</i>	Term-Examinations, Monday, Tuesday, Wednesday.
<i>December 21.</i>	Fall Term closes.

Christmas Vacation.

INDEX.

Absences, Regulations concerning, 85.
Admission to Freshman Class, 60; to Advanced Standing, 62; to Special Courses, 62; by Certificate, 63.
Aid to Students, 75-78.
Allen Prize Essays, 80.
Alumni Hall, 64.
Alumni Association, 103.
Anglo-Saxon, Courses in, 23.
Arabic, Course in, 21.
Aramaic, Courses in, 21.
Art, History of, Course in, 42.
Arts, Course in, 46.
Assyrian, Course in, 21.
Astronomy, Courses in, 34.
Bachelors' Degrees, 45.
Baldwin Greek Prizes, 79.
Baptist Documents, Collection of, 66.
Biblical Literature, Department of, 28; Courses in, 29.
Biology, Courses in, 35.
Biology and Geology, Department of, 34; Equipment of Department, 69.
Botany, Courses in, 25.
Buildings and Grounds, 64.
Bushnell Historical Prizes, 81.
Calendar, 1892-3, 104; University, 105.
Chemistry, Courses in, 37; Required for Admission, 62; Prizes, 81; Award of Prizes, 101; Expenses of Courses, 74.
Chemistry and Mineralogy, Department of, 36; Equipment of Department, 64.
Christianity, Evidences of, Course in, 44.
Clarke Prize in Oratory, 81.
Class of '84 Prize Debate, 82.
Colgate Library Building, 65.
Colgate University, Historical Sketch, 5.
College, East and West, 64.
Commencement, Exercises of 1891, 97; Prize, 82; Award of Prizes, 100.
Corporation of the University, 8.
Courses of Study, 46.
Debate, Prizes, 82; Award of Prizes, 100.
Degrees, Bachelors', 45; Masters', 58; Conferred in 1891, 98.
Delinquents, Examination of, 83.
Education Society, The, 75; Scholarships, 76.
Elective Studies, Choice of, 45.
Engineering, Courses in, 32-33.
English, Department of, 22; Courses in, 23-25; Required for Admission, 60.
Ethics, Christian, Courses in, 44.
Ethiopic, Course in, 22.

Examinations, Entrance, 62; Term, 83; for Delinquents, 83.
Expenses, 73.
Faculty, 13.
French, Courses in, 26, 27; for Admission, 61.
Freshman Class, Admission to, 60; Students in, 93.
Geology, Courses in, 36.
German, Courses in, 27, 28; for Admission, 61.
Government, 83.
Graduate Courses, 58, 59.
Graduates, Resident, 58; Non-resident, 59.
Graduation, Requirements for, 45.
Greek, Department of, 18; for Admission, 61; Prizes, 79; Award of Prizes, 102.
Grounds, 66.
Hebrew, Courses in, 21.
History, Courses in, 39-41; for Admission, 61; Prizes, 81; Award of Prizes, 101.
History and Political Science, Department of, 38.
Honors for 1891, 100-101.
Inquiry, Society of, 72.
International Law, Course in, 41.
Italian, Courses in, 28.
Junior Class, Students in, 88.
Kingsford Prize Declamations, 79; Award of Prizes, 102.
Laboratory, Chemical, 64; Biological, 69.
Lasher Prize Essays, 80; Award of Prizes, 101.
Latin, Department of, 16; for Admission, 61; Prizes, 80; Award of Prizes, 102.
Law, Roman, Course in, 41; International, Course in, 41.
Lawrence Chemical Prizes, 81; Award of Prizes, 101.
Lewis Commencement Prize, 82; Award of Prizes, 100.
Library, Building, 65; University, 67; Special Collections in, 67.
Logic, Course in, 43.
Mandaic, Course in, 22.
Masters' Degrees, 58.
Material Equipment, 64.

- Mathematics, Pure, Department of, 30 :
 for Admission, 60; Prizes, 79.
 Mechanics and Engineering, Department of, 32.
 Mineralogy, Courses in, 37, 38.
 Ministerial Students, Aid to, 75.
 Modern Greek, Course in, 20.
 Modern Languages, Department of, 26 ;
 for Admission, 61.
 Museum, Collections in, 70.
 Oratory, Courses in, 30; Prize, 81 ;
 Award of Prize, 101.
 Organization, 15.
 Osborn Mathematical Prizes, 79.
 Philology, Comparative Semitic,
 Course in, 22.
 Philosophy, Course in Letters and, 50,
 52; Department of, 43.
 Phœnician, Course in, 22.
 Physics, Course in, 33.
 Physics and Astronomy, Department
 of, 33.
 Physiology, Course in, 36.
 Political Economy, Department of, 42.
 Post-Graduate Studies, 58.
 Prizes, 79; Award of, 100.
 Provisional Committee, 9.
 Psychology, Course in, 43.
 Regulations, Special, 83.
 Religious Societies, 72.
 Resources and Aid, 75.
 Rhetoric, Courses in, 29, 30.
 Rhetoric and Oratory, Department of, 29.
 Roman Law, Course in, 41.
 Samaritan, Course in, 22.
 Scholarships, Education Society, 76 ;
 University, 77.
 Science, Courses in Letters and, 54, 56 ;
 Equipment of Departments of, 69 ;
 for Admission, 62.
 Seminary Courses, Latin, 18; Greek, 18 ;
 English, 24; English Constitutional
 History, 41; American History, 41.
 Senior Class, Students in, 86.
 Socialism, Contemporary, Course in, 42.
 Sophomore Class, Students in, 90.
 Sophomore Latin Prizes, 80; Award of
 Prizes, 102.
 Special Courses, Admission to, 62; Cer-
 tificate of Attainments in, 84.
 Standing, How Determined, 83.
 Students, Post-Graduate, 86; Under-
 Graduate, 86-95.
 University, Colgate, Sketch of, 5 ;
 Grounds, 66; Library, 67; Corpora-
 tion of, 8; Faculty of, 13; Calen-
 dar, 105.
 West College, 64.
 Young Men's Christian Association, 72.
 Zoology, Courses in, 35.



ANNUAL CATALOGUE

OF

COLGATE UNIVERSITY

FOR THE YEAR 1892-93

AND

ANNOUNCEMENT

OF

Courses of Instruction of the Departments of Letters,
Science, and Philosophy, for the Year 1893-94



COLGATE UNIVERSITY
HAMILTON, MADISON CO., N. Y.

L. C. CHILDS & SON,
PRINTERS AND BINDERS,
UTICA, N. Y.

CONTENTS

	PAGE
Colgate University,	5
Corporation of Colgate University,	7
Officers of the University Corporation,	8
Executive Committee,	8
Faculty of the University,	9
Organization,	12
Departments of Instruction,	13-41
Department of Latin,	13
Greek,	15
Semitic Languages,	18
English,	19
Modern languages,	23
Biblical literature,	26
Rhetoric and Oratory,	26
Mathematics,	28
Physics and Astronomy,	30
Geology and Natural History,	30
Chemistry and Mineralogy,	33
History,	35
Political Economy,	36
History of Art,	37
Philosophy,	37
Pedagogy,	39
Requirements for graduation,	41
Synopsis of Courses,	43-53
Synopsis of Course I Arts,	43
II Letters and Philosophy,	46
III Letters and Philosophy,	48
IV Letters and Science,	50
V Letters and Science,	52
Post-Graduate Studies,	54

Masters' Degrees,	54
Non-resident Graduates,	55
Requirements for Admission,	56
University Extension,	61
Material Equipment,	66
Religious Societies,	71
Expenses,	71
Resources and Aid,	73
University Scholarships,	73
Prizes,	75
Government,	79
Regulations governing absences,	80
Students,	82
Summary,	93
Commencement Exercises, 1892,	94
Degrees and Honors conferred, 1892,	95
Prizes awarded,	97
Alumni Association,	99
Calendar of year 1892-93,	100
University Calendar,	101
Index,	104

COLGATE UNIVERSITY

“Colgate University” is the name of the institution which from 1818 to 1846 was known as the Hamilton Literary and Theological Institution, and from 1846 to 1890 as Madison University. It is located at Hamilton, New York. It is the child of the Baptist Education Society of the State of New York, and was originally founded for the purpose of preparing young men for the Christian ministry, being the first school established by Baptists in America distinctively for ministerial education. The first students came early in the year 1818, but the school was not formally opened until May 1st, 1820. The course of study took form gradually, and not until 1829 was it regularly organized to cover four years. In 1832 it was extended to six years, and in 1834 two years more were added. The preparation for the ministry remained the purpose of the Institution for nearly twenty years, but in 1839 it was opened to young men who were looking to other professions.

The Education Society applied for a collegiate charter in 1840, and again in 1843, but failed in both instances because the legislature did not believe that from its constitution it was legally competent to hold and enjoy such powers. In 1846 a third application was successful. A new corporation was formed, and full University powers and privileges were granted. The new body assumed the name of Madison University and undertook preparatory and collegiate educational work, leaving the theological department as before, in the hands of the Education Society. In 1853 the Grammar School was organized, under the care of the University Board, and in 1875 this preparatory school received the name of Colgate Academy, and entered its own separate building, where it has grown to be

a strong and successful institution. In 1886 the Hamilton Theological Seminary also entered a building of its own, known as Eaton Hall, and became possessed of a stronger and more independent life.

There are now, therefore, three schools: the Academy, the College, and the Theological Seminary. While all are united under a general administration, each has its own organization, and each is free to develop its own life and adopt special aims of its own. It is intended that one presidency, as in the past, shall unite the three, without interfering with their individuality. The purpose of the founders to train young men for the Christian ministry has never been neglected by their successors, and the presence of a theological seminary and of a large number of ministerial students in all the under-graduate departments can not fail to give quality to the life of the place. The students of the college have in view a great variety of callings, and its alumni are found in all walks of life. Effort is constantly directed to the broadening and diversifying of the courses of study, in order that all students may find here what they need. The face of the University is turned forward, and there are abundant indications that the receiving of the new name is to mark the beginning of a new period of progress. The name, "Colgate University," though not received till after the death of President Dodge, is really his last gift. The change was approved by the Regents of the University of the State of New York, March 13th, and by the Supreme Court, April 22d, 1890.

NOTE.

For a catalogue of Hamilton Theological Seminary, address Rev. H. S. Loyd, D. D., Hamilton, N. Y.

For a catalogue of Colgate Academy, address, Principal John Greene, Ph. D., Hamilton N. Y.

CORPORATION OF THE UNIVERSTIY

JAMES B. COLGATE, PRESIDENT, New York.

*ALVAH PIERCE, Hamilton.

DAVID A. MUNRO, Camillus.

†HON. ALBERT R. FOX, Sand Lake.

SAMUEL COLGATE, New York.

PROF. P. B. SPEAR, D. D., Hamilton.

REV. EDWARD LATHROP, D. D., New York.

HOSMER H. KEITH, Esq., Sioux Falls, S. Dak.

PROF. ALBERT S. BICKMORE, Ph. D., New York.

JOHN C. HOYT, Esq., Utica.

LEONARD W. CRONKHITE, Sandy Hill.

EDWARD AUSTEN, Glencoe, Md.

ISAAC JOHNSON, Yonkers.

RUSSEL WHEELER, Utica.

THOMSON KINGSFORD, Oswego.

ISAAC E. GATES, Orange, N. J.

LEWIS E. GURLEY, Troy.

FRANCIS T. PIERCE, Hamilton.

DANIEL W. SKINNER, Hamilton.

GEORGE A. WOOLVERTON, Albany.

JOHN THORN, Utica.

JAMES C. COLGATE, Esq., SECRETARY, New York.

GEORGE L. STEDMAN, Esq., Albany.

REV. HENRY M. SANDERS, D. D., New York.

GARDNER COLBY, Orange, N. J.

JOHN J. JONES, Orange, N. J.

GEORGE W. STEDMAN, Esq., Albany.

*Deceased December 26, 1891.

†Deceased May 29, 1892.

Officers of the University Corporation

JAMES B. COLGATE, PRESIDENT.

JAMES C. COLGATE, SECRETARY.

WILLIAM R. ROWLANDS, TREASURER, Hamilton.

Executive Committee

REV. EDWARD LATHROP, D. D., New York.

PROF. ALBERT S. BICKMORE, Ph. D., New York.

JAMES C. COLGATE, Esq., New York.

THE FACULTY

PRESIDENT, AND BLEECKER PROFESSOR OF INTELLECTUAL
AND MORAL PHILOSOPHY.

PHILETUS BENNETT SPEAR, D. D.,
PROFESSOR EMERITUS OF HEBREW AND LATIN.

ALEXANDER McWHORTER BEEBEE, D. D.,
PROFESSOR OF LOGIC.

*LUCIEN M. OSBORN, LL. D.,
PROFESSOR OF PHYSICS AND ASTRONOMY.

NEWTON LLOYD ANDREWS, PH. D., LL. D.,
PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE, AND
DEAN OF THE FACULTY.

JAMES MORFORD TAYLOR, LL. D.,
PROFESSOR OF MATHEMATICS.

WILLIAM HALE MAYNARD, D. D.,
PROFESSOR OF POLITICAL ECONOMY.

SYLVESTER BURNHAM, D. D.,
PROFESSOR OF BIBLICAL LITERATURE.

*Deceased, Oct. 6, 1892.

JOSEPH FRANK MCGREGORY, A. M., F. C. S.,

PROFESSOR OF CHEMISTRY AND MINERALOGY.

WILLIAM HENRY CRAWSHAW, A. M.,

ASSOCIATE PROFESSOR OF ENGLISH LITERATURE.

NATHANIEL SCHMIDT, A. M.,

PROFESSOR OF SEMITIC LANGUAGES.

ROBERT WEBER MOORE, PH. B.,

ASSOCIATE PROFESSOR OF FRENCH AND GERMAN.

ALBERT PERRY BRIGHAM, A. M.,

ASSOCIATE PROFESSOR OF GEOLOGY AND NATURAL HISTORY.

FERDINAND COURTNEY FRENCH, PH. D.,

ASSOCIATE PROFESSOR OF PHILOSOPHY.

ERNEST FOX NICHOLS, B. S.,

ASSOCIATE PROFESSOR OF PHYSICS.

GEORGE WILLIAM SMITH, A. B., LL. B.,

ASSOCIATE PROFESSOR OF HISTORY.

JOHN BERNARD EKELEY, A. B.,

ASSISTANT IN CHEMISTRY.

GOVE GRIFFITH JOHNSON, A. B.,

ASSISTANT IN ELOCUTION.

CHARLES HENRY ADAMS WAGER, A. B.,

INSTRUCTOR IN LATIN.

RALPH WILMER THOMAS, A. M.,

LIBRARIAN AND REGISTRAR.

HERBERT J. SMITH, A. M.,

ASSISTANT LIBRARIAN.

MAY FRANCES SMITH,

CATALOGUER IN LIBRARY.

On Dec. 8th, 1892, the Trustees created a department of Pedagogy, and a department of Rhetoric and Oratory. On the same date, the following appointments were made, to take effect Aug. 1st, 1893 :

JOHN GREENE, PH. D.,

PROFESSOR OF LATIN.

RALPH WILMER THOMAS, A. M.,

PROFESSOR OF RHETORIC AND ORATORY.

CHARLES HERBERT THURBER, A. M.,

PROFESSOR OF PEDAGOGY.

ORGANIZATION

Methods and Courses of Instruction in the Several Departments

The organization of the University has been a gradual growth. Beginning in 1818 with one student and one instructor, the work of the institution has been steadily extended until at the present time there are distinctively organized departments giving instruction in Philosophy, History and Political Science, Social Science, Art, Language and Literature, Mathematics, and the Natural Sciences. The officer in charge of each department is alone responsible for its aims and methods, and the efficiency of its work, and while holding certain definite and organic relations to the whole body of instruction, is left independent to seek development in the constant improvement of methods, the enlargement of scope, and the addition of new facilities.

The following is a detailed statement of the methods and courses of instruction of the several departments, prepared by the respective officers. Unless otherwise stated, each course occupies one term.

The Department of Latin

The object of this department is to enable the student not only to read Latin with ease and rapidity but to appreciate the Latin literature and to understand the Roman life and civilization. During the early part of the course attention is given to forms, constructions, and idioms. In connection with the reading of the Latin historians it is designed to show the place of Rome in history and her contributions to the development of civilization. The several authors read are considered with reference to their style, thought, and relation to their own times and to general literature.

The relation of Latin to English is also kept in view, and careful and idiomatic translations are insisted upon as a means of acquiring felicity and elegance of English expression.

First Year

1. CICERO. The *De Senectute* is read and selections from the *De Amicitia* or from the *Letters*. Latin syntax is reviewed and daily practice given in pronouncing Latin according to the Roman method. *Scipio's Dream* is read at sight and at hearing. A study is made of the life and writings of Cicero and the sources from which his philosophy is derived.

W.—F., 2:30 P. M., Fall Term.

2. TACITUS. The *Germania* and *Agricola* are studied and selections from *Livy* or *Nepos* read at sight. There are informal lectures and discussions upon the life and writings of Tacitus and upon the history of Rome during the first century of the empire. The peculiarities of the Latin of the Silver Age as illustrated in Tacitus are noted. A study is made of Roman provincial government; the origin, characteristics, and mode of living of the ancient Germans, especially of the Angles and Saxons; and of the Celts in Britain.

M.—W., 9 A. M., Winter Term.

3. HORACE. The first three books of Odes are read. Latin prosody is studied with especial reference to the Horatian metres. Attention is directed to the historical setting of the Odes and to the geographical, mythological, and historical allusions contained in them.

W.—F., 3:30 P. M., Spring Term.

Second Year

4. HORACE AND CATULLUS. The Odes of Horace are completed with the greater portion of his Satires, Epodes and Epistles. Selections are also read from the Poems of Catullus. Lectures are given upon Roman history from the founding of the city to the close of the reign of Augustus. One recitation each week is devoted to Wilkins' Primer of Roman Literature.

M.—F., 10 A. M., Fall Term.

5. JUVENAL AND PERSIUS. Selections from the Satires of Persius are read, and those Satires of Juvenal which give so vivid a picture of the social life at Rome. Lectures are given upon the daily life of the Romans. The aim is to make the student familiar with the occupations and amusements of the various grades of Roman society.

W.—F., 11 A. M., Winter Term.

6. PLINY. Selections from the Letters of Pliny the Younger are read. To render the student more familiar with the epistolary style, selections are also made from the Letters of Cicero and Seneca. A study is made of the origin and development of Roman law, the organization and method of procedure in the law courts and senate.

M., T., 11 A. M., W., 1:30 P. M., Spring Term.

Third Year

7. PLAUTUS AND TERENCE. The Captives and Rudens of Plautus are studied, the Phormio of Terence is read at sight. A study is made of the Roman drama with reference to its method of presentation and effect upon public morals. Attention is directed to the forms and idioms peculiar to the early Latin and to the historical development of the language.

W.—F., 11 A. M., Fall Term.

8. ROMAN LITERATURE. This course is intended to supplement the required work in Roman Literature and to

give any who are preparing to teach an opportunity for a wider acquaintance with the Latin authors. Cruttwell's Roman Literature and Sellar's Roman Poets are carefully read. Sight and required translations are made from the principal authors with whom the student is not already familiar.

Th., F., 10 A. M., Winter Term.

9. LATIN INSCRIPTIONS. Allen's Remnants of Early Latin is used as a text-book. The spelling, sound, and inflexion of the early Latin are considered as a basis for studying the origin and determining the formation of the language.

Th., F., 10 A. M., Spring Term.

The Department of Greek

The ends primarily sought are intellectual discipline and literary culture. The translation of classic masterpieces is regarded as a most efficient means of developing the power of thought and expression and as tending most surely to the acquisition of a correct and discriminating literary sense. Greek literature is also treated as revealing the peculiar genius of an exceptionally gifted people, who made important and permanent contributions to human civilization. The critical study of their language is deemed valuable, not only for mental training, but as leading up, through a knowledge of their literature and their life, to a just appreciation of the real significance of ancient Greece to the world.

There are six prescribed courses of instruction given in the Freshman and Sophomore years. Three elective courses are open either to Juniors or to Seniors, and as the subjects offered are not the same in any two successive years, the study of Greek may be pursued, if desired, in every college term. The seminary method will be employed in elective courses, whenever it is most advantageous. Lectures upon Greek art are offered to Seniors.

First Year

1. EPIC AND LYRIC POETRY. The Odyssey is taken up, or the later books of the Iliad. Special attention is given to the place of the Homeric Poems in literature, to the characteristics of the heroic age, and to certain phases of

Greek mythology. The work in Homer is followed by selections from the Lyric Poets, regarded as marking a transitional stage in the development of the language, and as illustrating the beginnings of a more subjective, reflective tendency in the Greek mind.

M.—W., 10 A. M., Fall Term.

2. HERODOTUS AND THUCYDIDES. Portions of these authors are read, with notice in the former of peculiarities of dialect, and in the latter of distinguishing features of style, while the mode of historical treatment in each is especially considered. Occasion is taken to give to the class as clear an outline as possible of the history of the Greeks down to the age of Pericles, with a view of encouraging more extended study.

M.—W., 10 A. M., Winter Term.

3. SOCRATES AND HIS AGE. The reading of Plato's Apology of Socrates, or parts of Xenophon's Memorabilia, serves for the study of Greek Life in the fifth century before Christ, and of the great personality that was so prominent a figure of the period. Regard is had both to the varied elements in the character of the people, and to the ethical side of Socrates' teachings.

M.—W., 9 A. M., Spring Term.

Second Year

4. THE ORATORS. Demosthenes is studied, either in his Oration on the Crown, or in his Olynthiacs and Philip-pics. Attention is paid to the principles of oratory illustrated, to the governmental and social conditions favorable to eloquence, and to the distinctive qualities in the leading orators. Illustrative passages from various orators will be given by the Professor, or will be assigned for special readings. Methods of legal procedure are considered, the diverse political institutions of the Greek states, and the general course of their later history.

M.—W., 9 A. M., Fall Term.

5. THE TRAGEDIANS. Selected tragedies of Æschylus, Sophocles, and Euripides are read, and prelections from other plays are given, in order to secure as large acquaintance as possible with the Greek tragedians. The class prepare essays upon topics related to the study of the Greek drama, and upon Greek literature in general. In

these essays, and in the discussions of the class-room, the principal Greek authors are treated. In the reading of the dramatists the style and ethical spirit of each is especially considered.

M.—F., 9 A. M., Winter Term.

6. COMEDY. Aristophanes' "Clouds" is taken up, not simply to enlarge the student's knowledge of the Greek stage, but to afford a fuller comprehension of those complex intellectual and moral movements of the times which are mirrored in the works of Aristophanes. In this course, as in that devoted to tragedy, comparisons will be indicated with the dramatic literature of the modern world. Readings from Lucian may accompany or be substituted for the work in Aristophanes.

M.—W., 10 A. M., Spring Term.

Third and Fourth Years

7. HELLENISTIC GREEK. The study of this late, but important phase of the language will be pursued by reading in alternate years selections from the Greek New Testament, and selections from the Septuagint. These will be treated on the linguistic side. Opportunity for direct acquaintance with the former is deemed important for every student of Greek, while the latter will be of service to any who contemplate theological study.

Th. and F., 10 A. M., Fall Term.

8. PLATO AND ARISTOTLE. The study of these authors in the original will be pursued in alternate years. In Plato the *Phædo* will be read, or selections from his *Republic*; in Aristotle, portions of his *Ethics*. Regard will be had to the literary quality of these writers, but attention will chiefly be given to the subject-matter, with a view to preparing the student to investigate the general course of philosophic thought among the Greeks.

W.—F., 2:30 P. M., Winter Term.

9. HISTORY OF GREEK PHILOSOPHY. This course will be given in English, and will be offered to all Juniors. The aim will be to trace the progress of philosophic inquiry among the Greeks from Thales to the Neo-Platonists, to estimate its significance, and to show its bearing upon modern thought. A brief manual will be used as the basis of instruction. There will also be lectures

by the professor, and essays will be prepared by the class. The seminary method will be used in part, and the students will have access to the best translations, as well as to various historical and critical treatises.

W.—F., 1:30 P. M., Spring Term.

10. MODERN GREEK. At the convenience of the officer, opportunity is offered to any who may desire it, for some acquaintance with modern Greek.

Time of the exercise to be arranged on the organization of the class.

The Department of Semitic Languages

Course 1 is offered to students in the Junior and Senior years. Courses 7 and 13 may be taken by students in the Senior year. Courses 2, 3, 4, 6, 8, 10 and 11 are open only to students who have already taken course 1. Courses 5, 9 and 12 can be elected only by students who have already studied Hebrew and Arabic.

Third or Fourth Year

1. HEBREW. (*a*) Orthography, Morphology and Elements of Syntax (Harper); (*b*) Translation and study of Genesis; (*c*) Sight-reading in Leviticus and Deuteronomy.

T.—F., 9 A. M., Three Terms.

Courses in 1892-1893

(The figures within the marks of parenthesis denote the number of hours per week; the hours are fixed from term to term and announced in the printed schedules of the Seminary.)

2. HEBREW: Jeremiah (2) Fall Term; Chronicles (2) Spring Term.
3. HEBREW AND SEPTUAGINT: Ecclesiastes (2) Winter Term.
4. ARABIC: (*a*) Grammar (Lansing); (*b*) Arabic Version of the Bible (2) Fall Term.
5. ARABIC³ (advanced): (*a*) Syntax, (Lansing and Caspari); (*b*) the Quran (2) Winter Term.

6. PALESTINIAN ARAMAIC: (*a*) Grammar, (Brown and Kautzsch); (*b*) Bible and Targums (2) Spring Term.
7. DOCUMENTARY HISTORY of the Relations between Egypt and Palestine (2) Winter Term.

Courses in 1893-1894

8. HEBREW:—(*a*) Prosody, (Harper, Kautzsch, Wickes); (*b*) Interpretation of Job (2) Fall Term; Ezekiel (2) Winter Term; Zechariah (2) Spring Term.
9. ETHIOPIC:—(*a*) Grammar, (Praetorius and Dillmann), (*b*) Ascensio Isaiae (2) Fall Term.
10. CLASSICAL ARAMAIC (Syriac):—(*a*) Grammar, (Nestle and Nöldeke); (*b*) Peshitta; (*c*) Specilegium Syriacum (2) Winter Term.
11. ASSYRIAN:—(*a*) Grammar, (Lyon and Delitzsch); (*b*) Transliterated Texts; (*c*) Cuneiform Inscriptions (2) Spring Term.
12. COMPARATIVE SEMITIC PHILOLOGY:—(*a*) General Semitic Grammar, (Wright and Nöldeke); (*b*) Comparative Study of the Hebrew, Aramaic, Samaritan, Arabic and Ethiopic Texts of Gen. I-IV (2) Spring Term.
13. DOCUMENTARY HISTORY of Arabia (2) Spring Term.

The Department of English

The objects sought in this department are mainly the following: *First*, such a general knowledge of the history of English literature as will give an adequate basis for the study of individual authors and works in their proper relations; *second*, a particular acquaintance with the great literary periods and with the most prominent authors in each; *third*, an understanding of the principles of literary criticism and of the laws that underlie the various forms of literary art; *fourth*, a scientific knowledge of the origin and development of the English language. These objects are sought, not merely for their own sake, but as the means of developing a broad culture and a thorough appreciation of a great literature. It is intended, by the general arrange-

ment of courses and by the plan of work in each, to combine the advantages of the historical and critical methods of literary study.

First Year

THE HISTORY OF ENGLISH LITERATURE. This course presents a study of the history of English literature from its beginnings to the present time. Standard works upon the subject are carefully read, and are supplemented in the class room by discussions, readings, and written reviews. The constant endeavor is made to evolve a clear and definite historical outline, to present the various facts in their true proportion, and to leave so far as possible a vivid impression of leading authors and their work. This course extends through the whole year, and courses of reading will be suggested each term illustrative of the literary periods under consideration.

Th. and F., 9 A. M., Fall Term; 10 A. M., Winter Term; 9 A. M., Spring Term.

Second Year

2. **ANGLO-SAXON.** Elementary course. The grammar of the language is carefully studied; and special attention is given to acquiring facility in the reading of ordinary Anglo-Saxon prose. Selections are read from the Anglo-Saxon Chronicle, Ælfred, Ælfric, Wulfstan, and others. The relation of Anglo-Saxon to modern English is constantly emphasized; and the basis is laid for a proper study of the historical development of the English language.

Th. and F., 11 A. M., Fall Term.

3. **ANGLO-SAXON.** Poetry. Some of the most famous of the classical Anglo-Saxon poems are read, not only for their linguistic interest, but also as a revelation of the life and character of the Anglo-Saxon people. An outline of Anglo-Saxon literature is given; and the beginnings of modern English literature are traced. As a rule, "Beowulf" will be read in alternate years with Cædmon's "Exodus" and "Daniel" and Cynewulf's "Elene."

M. and T., 3:30 P. M., Winter Term.

4. **EARLY AND MIDDLE ENGLISH.** From the Norman Conquest to the age of Chaucer. The language is traced through the various stages of its development from Anglo-Saxon to modern English; and observation is made as to the general character of the literature during these centu-

ries of transition. Representative selections are read in chronological order. Special attention is given to the English of Chaucer and his contemporaries.

M. and T., 2:30 P. M., Spring Term.

Courses 2, 3, and 4 are continuous, and are designed to give the student such a knowledge of the origin and development of the English tongue as will enable him to carry on his studies independently of the instructor.

5. ELIZABETHAN POETRY. The purely poetical literature of the age is studied through the masterpieces of representative poets, special attention being given to the chief works of Spenser and Milton and to the Sonnets of Shakespere. The work is carried on by means of lectures, discussions, and critical essays, and is based upon a thorough course of poetical, historical, and critical reading. This first course in the study of poetry is made the basis for the study of the fundamental principles of poetic art.

M.—W., 2:30 P. M., Fall Term.

6. ELIZABETHAN DRAMA. An historical and critical study of the rise, development, and characteristics of the English drama in the time of Shakespere. The various stages of its growth are carefully noted; and critical study is made of representative works from leading dramatists. One leading play of Shakespere is carefully examined by means of lectures. Other plays are then studied by the class according to the methods thus illustrated, the several elements of each play being treated by means of class-room discussions and critical essays upon various topics. Effort is made to understand and appreciate the plays studied, and to arrive through them at a better knowledge of Shakespere's dramatic art and of the principles of dramatic criticism. It is hoped that Courses 5 and 6 will lay the basis for a true historical estimate of Shakespere's work and genius.

M.—W., 3:30 P. M., Winter Term.

7. ENGLISH POETRY OF THE EIGHTEENTH CENTURY. A study of English poetry from Dryden to Burns. Representative poems are carefully studied; the masterpieces of the most prominent poets are discussed in critical essays; and the development of the poetry of the age through its various phases is investigated by means of collateral reading. The general method is similar to that followed in

Course 5 ; but a knowledge of fundamental principles is assumed, and more attention is given to the investigation of individual characteristics.

M.—W., 3:30 P. M., Spring Term.

Third Year

8. ENGLISH ROMANTIC POETRY. A study of the English poetry of the early part of the nineteenth century. Special attention is given to the work of Wordsworth, Coleridge, Scott, Byron, Shelley, and Keats. The masterpieces of these poets are studied, by means of discussions, reports, and critical essays ; individual characteristics are noted ; the marked changes in the spirit and method of poetry are investigated ; and attention is drawn to the relation of these changes to the political, social, and intellectual movements of the age. The general method is similar to that followed in Course 7, except that the student is here encouraged to a freer and more independent study of the facts and principles of literature.

M.—W., 1:30 P. M., Fall Term.

9. VICTORIAN POETRY. A study of the poetry of Tennyson, Browning, and their contemporaries. Poetical masterpieces are critically studied, as in previous courses ; and the leading poets are especially considered as the exponents of the life and thought of the age. The method and purpose of the course are similar to those of Course 8. Free discussion of the questions involved is especially urged.

M.—W., 1:30 P. M., Winter Term.

10. AMERICAN LITERATURE. Upon the basis of the literary principles determined in previous courses, a study is here made of the general development of American literature, of the characteristics of its various forms and classes, and of the representative works of leading authors in its various departments. Selected masterpieces are treated by means of essays ; and authors, works, and literary principles are freely discussed. An historical outline of American literature is given.

M.—W., 1:30 P. M., Spring Term.

11. ENGLISH PROSE. An historical and critical study of representative prose writers, not including the novelists.

The historical development of English prose is rapidly traced by a study of typical specimens. Critical essays on selected prose masterpieces are supplemented by discussions concerning authors, works, and literary principles.

M.—W., 1:30 P. M., Fall Term.

12. ENGLISH FICTION. The rise, development, and characteristics of the English novel. Works of representative novelists are read, special attention being given to leading novels of Scott, Dickens, Thackeray, and George Eliot. Certain selected novels are treated by means of class essays. Special attention is given, by means of lectures and general discussions, to an examination of the laws of fiction and of the principles of criticism involved.

M.—W., 1:30 P. M., Winter Term.

Course 1 must precede the other courses. Courses 2, 3, and 4, must be taken in the order named. Course 5 must precede Courses 7, 8, and 9; and students are strongly urged to take elective literary courses in chronological order. Courses 11 and 12 will be given in alternate years with Courses 8 and 9 respectively.

The Department of Modern Languages

It is the aim of this department : *First*, to give the student a technical knowledge of the more important languages of modern Europe sufficient to read their literatures with understanding, ease and enjoyment, without translation, and to translate ordinary English prose into idiomatic German or French ; *Second*, to present to the student a general idea of the literary history of each language with a detailed statement of special important epochs ; *Third*, by occasional lectures illustrated by the stereopticon, to give the student some idea of the cities, customs, and life, of the people whose language is studied.

First Year

1. FRENCH. Special practice in pronunciation and in memorizing short selections. Systematic drill in Grammar, with special reference to syntax, rapid reading of selections from Souvestre, Mérimée, Augier, and Labiche. For more

advanced work, Corneille's "Le Cid" and "Le Menteur," and Racine's "Les Plaideurs."

This course extends through the entire year and is designed not simply as a foundation in acquiring a technical knowledge of the French language, but also as an introduction to classic French literature. Accordingly during the third term of the year occasional lectures will be introduced.

M. and T., 2:30 P. M., Fall Term.
Th. and F., 3:30 P. M., Winter Term.
M. and T., 3:30 P. M., Spring Term.

Second Year

2. GERMAN. Elementary course. Grammar (Whitney's Brief). Practice in pronunciation and in memorizing short selections, systematic drill in grammar, with special reference to syntax. Rapid reading of modern works of fiction and history, including selections from Hauff, Heyse, Storm, and Freitag. The latter part of the course is given to German composition and to rapid and extended reading from such works as Schiller's "Das Lied von der Glocke," Goethe's "Hermann and Dorothea," (illustrated by stereopticon views) and Heine's "Die Harzreise."

W., 2:30 P. M.; Th. and F., 11 A. M., Fall Term.
M. and T., 11 A. M.; W. 2:30 P. M., Winter Term.
W.—F., 11 A. M., Spring Term.

Third Year

3. FRENCH. Molière; "Les Précieuses Ridicules," "Le Tartuffe," "Le Misanthrope." Lectures on the French literature of the seventeenth century. Essays by class on topics relating to literary, social, and intellectual, life of France in the seventeenth century.

Th. and F., 10 A. M., Fall Term.

4. FRENCH. Literature of the eighteenth century. Lectures. Selections from Voltaire, Rousseau, Beaumarchais and Le Sage. Besides the works read in the class, selections will be assigned for private reading upon which an examination will be held.

T. and W., 9 A. M., Winter Term.

5. FRENCH. Literature of the nineteenth century. Lectures. Selections from Lamartine, Victor Hugo,

Sainte-Beuve and Chateaubriand. Selections assigned to each member of the class for reading outside of the classroom, upon which an examination will be required.

Th. and F., 10 A. M., Spring Term.

6. GERMAN. Lessing: "Minna von Barnhelm," "Emilia Galotti," and prose selections. Lectures on Lessing's work and influence in the regeneration of German literature. Introduction to classic German literature. Especial attention given to the drama.

M.—W., 3:30 P. M., Fall Term.

7. GERMAN. Schiller: "Maria Stuart," "Jungfrau von Orleans," "Wilhelm Tell." Lectures, accompanied by an extensive collection of stereopticon views, on the important works of Schiller and on the classic German literature of the latter half of the eighteenth century. Essays by the class on topics connected with the reading.

M.—W., 3:30 P. M., Winter Term.

8. GERMAN. Goethe: "Götz von Berlichingen" or "Egmont," "Iphigenie auf Tauris," and "Torquato Tasso" (Thomas). The Life of Goethe in connection with selections from "Dichtung und Wahrheit." Lectures on Goethe's Work and Influence.

M.—W., 2:30 P. M., Spring Term.

Fourth Year

9. GERMAN. Goethe's "Faust." Essays on literary and philosophical subjects suggested by the reading. Lectures on Faust, accompanied by an extensive series of stereopticon illustrations.

M., 9 A. M.; Th. and F., 2:30 P. M., Fall and Winter Terms.

10. GERMAN. Lyric poetry. Outline of German literature from the earliest times to the eighteenth century. Lectures, accompanied by stereopticon illustrations.

W., 10 A. M.; Th. and F., 3:30 P. M., Spring Term.

11. ITALIAN. Elementary course. The purpose of this course is to acquire facility in reading. The time will therefore be devoted largely to drill in the grammar and to rapid reading of selections from Farina, de Amicis, dall' Ongaro and Manzoni. The student's knowledge of Latin and French will be put to constant use. Hours to be arranged with the professor in charge.

12. ITALIAN. Tasso: "Gerusalemme Liberata;" Dante: "L'Inferno;" an outline of Italian literature, with lectures and essays. Hours to be arranged with the professor in charge. Courses 11 and 12 will not be offered in 1893-94.

The Department of Biblical Literature

In this department, the books of the Bible are made the subjects of literary study and criticism. The Bible is considered simply as a collection of books, forming a unique national literature which was a natural product of a peculiar national life, and was intended by its authors to be a help towards the securing of a national destiny in which they believed and for which they hoped. The work of this department is arranged as follows:

1. ANALYTICAL STUDIES: A careful literary analysis of specimen books, including all kinds of the literature, is made. The object of this analysis is to determine the character of the contents of the book, in regard to both substance and form.

Th. and F., 11 A. M., Winter Term.

2. INDUCTIVE AND COMPARATIVE STUDIES: (1) By careful observation, the essential characteristics of the various kinds of literature contained in the Bible, are ascertained. Then, by inductions based upon these ascertained characteristics, the authors and the dates of the Biblical books are determined, so far as this is possible. (2) The agreements and differences of the various kinds of the Biblical literature, both in contents and characteristics, when compared with like kinds in other great literatures, are discovered; and the relative value of the Biblical literature, in comparison with these other literatures, is determined.

Th. and F., 11 A. M., Spring Term.

The Department of Rhetoric and Oratory

It is the aim of this department to aid the student in the acquirement of a correct and forcible English style, to develop his powers of literary expression, and to cultivate

proficiency in public address. The following courses extend over the four undergraduate years of the University, forming a complete and extended series, and are designed to afford any diligent student ample preparation for public life.

First Year

1. RHETORIC. A study of the subject of style in Genung's "Practical Rhetoric." The various principles involved are illustrated by a study of selections from Genung's "Handbook of Rhetorical Analysis." The formal work in the text-book is supplemented by classroom discussions, criticism of essays, reference to Richard Grant White's "Words and Their Uses," Trench "On the Study of Words," etc.

Th. and F., 10 A. M., Fall Term.

2. RHETORIC. A study of the general processes of invention and of the several kinds of composition in Genung's "Practical Rhetoric." Illustration of principles by a study of selections from Genung's "Rhetorical Analysis." In addition to the formal work in the text-books, each member of the class is required to present themes, plans, and exercises in the various kinds of composition; and these are freely criticised before the class.

Th. and F., 9 A. M., Winter Term; 10 A. M., Spring Term.

First and Second Years

3. ORATORY. The formal study of the principles of Elocution is pursued throughout the whole of the first year, with one exercise a week. The text-book used is Russell's "Vocal Culture." In addition to the above, weekly exercises in declamation are continued through two whole years; and students receive private drill in preparation for each public appearance.

Th., 3:30 P. M., Fall Term; 2:30 P. M., Winter and Spring Terms of Freshman Year.

F., 1:30 P. M., throughout the Freshman and Sophomore Years.

Third Year

4. ORATORY. Exercises in the composition and delivery of orations are continued throughout the Junior year. Each production is read and criticised with the author by special appointment. A subsequent public appearance is required.

Fourth Year

5. ORATORY. A course in forensics is offered as an elective two hour course to those students who have completed the preceding courses and who desire drill in extemporaneous speaking.

W., 3:30 P. M., Fall and Winter Terms.

The Department of Mathematics

The courses of study in this department begin with the Freshman year, and may be continued, as required or elective studies, throughout the entire undergraduate course. The work is conducted by aid of text-books with lectures.

The aim of the instruction is to form habits of accurate and precise expression, and to develop the power of independent and logical thinking as well as to teach the methods and principles of each subject.

First Year

1. GEOMETRY. Solid and Spherical; Exercises in Geometrical Invention and Applications; Theory of Limits.

M.—F., 9 A. M., Fall Term.

2. ALGEBRA. Differentiation of Algebraic, Logarithmic, and Exponential Functions; Development of Functions in Series; Convergency and Summation of Series; Theory and Computation of Logarithms; Permutations, Combinations, and Probability; Theory of Equations.

M.—F., 11 A. M., Winter Term.

3. PLANE TRIGONOMETRY AND SURVEYING. The Theory of the Trigonometric Functions and its application to the solution of plane triangles and to surveying.

M.—F., 11 A. M., Spring Term.

Second Year

4. SPHERICAL TRIGONOMETRY. Napier's Rules and Analogies; Gauss's Equations, and their application to the solution of spherical triangles.

M.—W., 11 A. M., Fall Term, Five Weeks.

5. ANALYTIC GEOMETRY. The Straight Line, the Conic Sections, the General Equation of the Second De-

gree, and Higher Plane Curves, in Plane Geometry; and the Point, the Straight Line, the Plane, and Surfaces of Revolution, in Solid Geometry.

M.—W., 11 A. M., Fall Term, Nine Weeks, and M.—W. 10 A. M., Winter Term.

6. CALCULUS. Differentiation and Practical Applications; Direct Integration and its Application to the Determination of Areas and Volumes, and the Rectification of Curves; Successive Differentiation; Evaluation of Indeterminate forms; Development of Functions in Series; Maxima and Minima.

This course may be elected by any student who has taken the first five courses. While designed to lay the foundation for the subsequent courses in this subject, it is adapted to those also who wish in a short time to gain a clear idea of the methods and problems of the Calculus.

M.—W., 9 A. M., Spring Term.

Third Year

7. CALCULUS. A continuation of Course 6, and embraces the remaining subjects in Taylor's Calculus, except the chapter on the Method of Infinitesimals.

M.—W., 10 A. M., Fall Term.

8. CALCULUS. A continuation of Course 7, and embraces the Infinitesimal Method and Applications, also the History and Philosophy of the Calculus. Books of reference: the Treatises of Williamson, Duhamel, Price and Bertrand, Bledsoe's Philosophy of Mathematics, and Ball's History of Mathematics.

W.—F., 9 A. M., Winter Term.

9. DETERMINANTS. Muir's Determinants.

M.—W., 10 A. M., Spring Term.

Fourth Year

10. THEORY OF EQUATIONS. Burnside and Panton's Theory of Equations.

Th. and F., 11 A. M., Fall Term.

11. QUATERNIONS. Hardy's Quaternions. Books of reference: the Treatises of Tait, and Kelland and Tait.

Th. and F., 10 A. M., Winter Term.

The Department of Physics and Astronomy

First Year

COURSE 1. Mechanics, sound, heat, light, electricity, and magnetism. Three hours a week through the year. Course 1 is given in recitations from text books, lectures, experimental demonstration of important principles and written reviews. This course is intended to give students a clear notion of the scientific method of study, and a familiarity with the fundamental laws which underlie phenomena in the physical universe.

W.—F., 2:30 P. M., Fall Term.

M.—W., 11 A. M., Winter Term.

M.—W., 11 A. M., Spring Term.

Second Year

COURSE 2. General astronomy taught by text-book recitations, lectures, and written reviews.

M.—F., 9 A. M., Fall Term.

COURSE 3. Laboratory work. Two hours a week, Winter and Spring Terms.

The purpose of this course is to give students insight into methods and apparatus used in making physical measurements and includes quantitative experiments performed by the student in mechanics, sound, heat, light, and electricity. Course 1, physics, necessarily precedes this course and students are strongly advised to prepare themselves in analytic geometry and the calculus before taking up the laboratory work.

M. and T., 10 A. M., Winter and Spring Terms.

The Department of Geology and Natural History

The courses in this department are designed to give such knowledge of the several subjects, as a scheme of general education requires. It will be seen also that the geological courses are so arranged as to give two years of continuous work to those who may wish to teach geology or pursue it as a profession. To arouse interest in nature, to teach the

art of rapid and accurate observation, and skill in reasoning from cause to effect and effect to cause, are held to be equally important to the general and the special student of natural science. The instruction is given by lectures. Text books for supplementary reading are required, with oral and written reviews. Much attention is given to the literature of the subjects, and habits of independent investigation are fostered. The significant questions which subjects in natural history raise at the present time will receive such discussion as may be suitable. Hours for laboratory and field work are arranged after the organization of classes.

GEOLOGY

First Year

1. DYNAMICAL GEOLOGY. The lectures treat of the applications of energy in the making of the earth. The relations of our planet to the sun and other celestial bodies, the chemical and mechanical work of the atmosphere, the effects of water in rivers, lakes, oceans, subterranean channels, and glaciers, form the earlier subjects of the course. The igneous forces are then studied, as seen in volcanoes, earthquakes, mountain making, and the development of continents. Several lectures are given on the geological work of organisms. The course deals particularly with the development of geographic forms, the evolution of scenery and the effects of geological forces upon the course of human history. Four half-day excursions are made, for the study of the surface geology in the vicinity of Hamilton. The larger manuals of Dana or Le Conte are required in this and subsequent geological courses.

Wed.—F., 11 A. M., Fall Term.

2. LITHOLOGICAL AND STRUCTURAL GEOLOGY. This course begins with an elementary study of the principal kinds of rocks. The lectures then deal with structural forms, such as stratified, tilted, faulted and folded rocks, dikes, lava sheets, mineral veins, the general form of the earth, the structure and topography of continents and mountains as determined by upheaval and general erosion.

Tu., Wed., 2:30 P. M., Winter Term.

3. HISTORICAL GEOLOGY. An elementary course with special reference to students who wish a general understanding of the succession of events in geological time. Among the special topics are, the climate, geography, plants, and animals, of the various periods; economical products important in special formations, as fuels, pigments, ores, mineral waters, salt, pottery clays, and building materials; geological time; the last glacial period; the antiquity of man, and the history of geological science. The course requires four field excursions, the accessible localities affording the best opportunities for beginning the study of historical geology.

W., 10 A. M., Th. and F., 9 A. M., Spring Term.

Second Year

4. PALAEONTOLOGY. A study of fossil organisms, their manner of preservation, their value as a geological record, their systematic relations and succession in time. The appearance and extinction of great groups, and probable ancestry of existing forms are treated, with a critical study of evolution. The history and present state of opinion, and the factors of evolution are made themes for careful discussion. Laboratory work two hours each week. Courses (3) and (7) are required in preparation. Three hour course.

Tu., Wed., 2:30 P. M., Fall Term.

5. ADVANCED PALAEONTOLOGY. A course in research, upon some group of fossil forms, with library and laboratory work and the preparation of a thesis: may be taken as a three or five hour course, with laboratory work four or seven hours a week.

Winter Term.

6. ADVANCED HISTORICAL GEOLOGY. The special study of some Paleozoic horizon near Hamilton. This is mainly a course in field work, with attention to stratigraphy, geographic distribution, and characteristic fossils. To those who prefer, problems in the glacial geology of Central New York may be assigned. The course will include instruction in the history and methods of geological surveying: may be taken for three or five hours.

Spring Term.

7. **ZOOLOGY.** This course deals with elementary biology, the principles of classification, and the general morphology of the principal groups of animals. The invertebrates will receive chief attention, with concluding lectures on the vertebrates. The course is designed to give such general knowledge of the animal kingdom as all educated persons should have. Laboratory work, two hours a week. Packard's Zoölogy required for reference. Junior elective, three hour course.

Th., and F., 10 A. M., Winter Term.

8. **BOTANY.** The aim of this course is like that of (7). The structure and classification of plants, their distribution and economic uses are treated, with attention to the determination of the flowering plants. Laboratory, two hours a week. Gray's Structural Botany and Manual are required. Junior elective, three hour course.

M. and T., 10 A. M., Spring Term.

The Department of Chemistry and Mineralogy

The aim of this department is to give instruction in the fundamental principles of scientific study, and especially, to give the student thorough training in habits of accuracy and observation. The work of Course I is conducted in the class room by means of a text book with experimental lectures. The remainder of the work is done in the laboratory, which is equipped with all the apparatus necessary for the successful study of analytical chemistry.

First Year

1. **GENERAL CHEMISTRY.** A course for beginners, extending through the non-metallic elements. There are daily recitations from a text book, and frequent experimental lectures.

This course is required of all students in college, and for entrance to Courses IV and V.

M.—F., 2:30 P. M., Spring Term.

Second Year

2. **ANALYTICAL CHEMISTRY.** A course in Qualitative Analysis, including the determination of simple inorganic substances. The work in the laboratory is supplemented by a course of lectures on the metallic elements.

M.—F., 3:30—5:30 P. M., Fall Term.

3. ANALYTICAL CHEMISTRY. A continuation of Course 2 including the various methods employed for the qualitative separation of the metals. A supplementary course of lectures on some of the more important chemical theories and molecular forces will be given.

M.—F., 3:30—5:30 P. M., Winter Term.

4. ANALYTICAL AND ORGANIC CHEMISTRY. This includes the study of some of the rarer elements and of the qualitative determination of minerals, together with a short course of lectures on Organic Chemistry.

M.—F., 3:30—5:50 P. M., Spring Term.

Third Year

5. ANALYTICAL CHEMISTRY. A course in Quantitative Analysis occupying two terms. It is the aim of this course to make the student familiar with all the important quantitative determinations and separations of the elements, and to this end the different methods, gravimetric, volumetric, and electrolytic, are employed.

M.—F., 3:30—5:30 P. M., Fall and Winter Terms.

6. ANALYTICAL AND APPLIED CHEMISTRY. This follows the general course in Quantitative Analysis and includes the analysis of minerals and some of the simpler courses in Technical Analysis. The exhaustive study of these subjects is not attempted, the aim being to give the general methods of work in each.

M.—F., 3:30—5:30 P. M., Spring Term.

7. MINERALOGY. This is offered to any student in the Senior class, who has pursued or is pursuing a course in Qualitative Analysis. The work is conducted by means of lectures, with occasional examinations upon the same. The first part of the term is devoted to crystallography, and the remainder to the study of the physical and chemical properties of minerals and their determination.

M.—W., 2:30 P. M., Fall Term.

8. MINERALOGY. To those wishing to continue the preceding course, practical work is offered to a limited number of students, the aim being to teach the use of instruments and general methods of mineralogical work.

Th. and F., 1:30—3:30 P. M., Winter Term.

Fourth Year

9. SPECIAL ANALYTICAL CHEMISTRY. For students in Courses 4 and 5, and for special students. This follows Course 6 in Analytical Chemistry and is intended for the more exhaustive study of the work there offered, as well as to teach methods of original work.

M.—F., 3:30—5:30 P. M., Fall Term.

10. ORGANIC CHEMISTRY. The course extends through two terms. The different methods of ultimate organic analysis are taught, as well as the methods of building up compounds synthetically. Subsequently, original work in the formation and investigation of compounds may be undertaken.

M.—F., 3:30—5:30 P. M., Winter and Spring Terms.

Each of the above laboratory courses is a full equivalent of a five hour a week elective study, each student being required to work two hours a day for five days each week.

The Department of History

In the department of History the following courses will be offered:

First Year

COURSE I. A study of prehistoric man and the earliest institutions.

M.—W., 1:30 P. M., Fall Term.

COURSE II. Political and Institutional History of Greece.

Th. and F., 1:30 P. M., Fall Term.

COURSE III. Political and Institutional History of Rome.

M.—F., 1:30 P. M., Winter Term.

COURSE IV. Mediaeval History, from Constantine to the Reformation.

M.—W., 9 A. M., Spring Term.

COURSE V. Institutions of the Middle Ages.

Th. and F., 2:30 P. M., Spring Term.

Second Year

COURSE VI. Period of the Renaissance and Reformation.
M.—W., 11 A. M., Fall Term.

COURSE VII. English Constitutional Law.
Th. and F., 2:30 P. M., Fall Term.

COURSE VIII. The French Revolution.
M.—F., 2:30 P. M., Winter Term.

COURSE IX. American History, Colonial Period, and War of Independence.
M.—W., 2:30 P. M., Spring Term.

COURSE X. Nineteenth Century, and Current Events.
Th. and F., 9 A. M., Spring Term.

COURSES I—V are offered to members of the Senior and Junior classes; courses VI—X to members of the Senior class only. Courses IV, VIII, and IX, will be given mostly by lectures, with frequent oral and written examinations. Courses V, VII, and X will be conducted according to the seminary method. In the remaining courses the method employed will be that of a text book as a basis, supplemented by lectures. A few lectures on the Philosophy of History and occasional lectures on topics of current interest will be given to both classes during the year.

The Department of Political Economy

I. POLITICAL ECONOMY. Daily recitations from Walker's Political Economy, supplemented by lectures and discussions. The text furnishes to the student a clear statement of principles. Then, by questions, by drawing the student into discussions, by encouraging him to express his difficulties freely, the instructor endeavors to fix principles, and to direct attention to their practical working in concrete cases.

W.—F., 11 A. M., Winter and Spring Terms.

2. CONTEMPORARY SOCIALISM. The views of the most prominent living socialists are brought before the class by means of lectures, discussions, and criticisms.

M. and Tu., Spring Term.

The hour of exercise is determined after the organization of the Class.

The History of Art

In the Senior year instruction is given in the History of Architecture and Sculpture. The hand-books used by the student are largely supplemented with lectures, illustrated by a copious collection of slides and photographs. In these illustrated lectures a Calcium Light Stereopticon is employed. Special attention is given to the origin and development of Greek Architecture. Its connection with earlier styles, particularly with the Assyrian and Egyptian, are noted, and the modifications and additions made by the Romans are also traced. Gothic and Renaissance Architecture are likewise treated. An attempt is made to give some accurate acquaintance with the masterpieces of ancient sculpture, to show the relation between classical and mediæval art, and to bring out those principles which gave to the plastic art of the Greeks its enduring preëminence as the standard of taste.

Th. and F., 1:30 P. M., Fall and Winter Terms.

Th. and F., 2:30 P. M., Spring Term.

NOTE—The instruction in this subject is given by Professor Andrews.

The Department of Philosophy

First Year

1. LOGIC. It is the object of this department to give the student a thorough knowledge of the subject, embracing both Formal and Applied Logic. The nature, sphere, limitations, and applications of principles are defined and illustrated. To make the study a discipline, and to secure, as far as possible, practical results, the student, during the last half of the term, is subjected to a daily analysis of

arguments and fallacies in a manner not only to compel a knowledge of principles and methods, but to induce correct habits of thinking.

M.—F., 9 A. M., Fall Term.

See also Courses 8 and 9, Department of Greek.

Second Year

The required work of the Senior Class in this department consists of Psychology, Ethics, and Evidences of Christianity. The intellectual, moral, and religious, nature of man is studied both with a view to the immediate mental discipline of the student and as a basis for the formation of a sound and independent conception of man in his relations to the World, Society, and God. Lectures and text-book study are supplemented by essays and free classroom discussions. The student is encouraged in every way possible to think for himself.

2. **PSYCHOLOGY.** The subject is presented as science of mind to be distinguished on the one hand from the physical sciences, and on the other from speculative philosophy, while at the same time the intimate relation of psychical phenomena to the physical organism and the metaphysical implications of psychological laws are carefully considered. Höffding's "Outlines of Psychology" is used as a text-book. For reference and supplementary reading the works of Porter, Ladd, and James, are especially recommended.

M.—F., 10 A. M., Fall Term.

3. **ETHICS.** After a brief survey and analysis of the principal phenomena of the moral consciousness, and a review of the leading types of Ethical theory, the attempt is made with these data to construct a tenable theory of Ethics, and then to show the application of ethical principles to the practical life of individuals and of social organisms. Andrews' "Syllabus of the Elements of Ethics" is used as the basis for instruction.

M. and T., 11 A. M., Winter Term.

4. **EVIDENCES OF CHRISTIANITY.** The aim of this course is to present the philosophical grounds for a theistic conception of the universe, and then, after determining the needs of man's religious nature by a study of the history of religious ideas and practices, to examine the his-

torical evidences for Christianity and its essential teachings, and to show how it satisfies these needs. The following works are recommended for reference: Dodge, "Evidences of Christianity;" Schurman, "Belief in God;" Pfeleiderer, "Philosophy of Religion;" Tiele, "Outlines of the History of Religion;" Bruce, "Apologetics."

M. and T., 9 A. M., Spring Term.

The following courses are offered as electives for Seniors:

5. HISTORY OF MODERN PHILOSOPHY. The work on this subject by Falckenberg will probably be used as a text-book. This will be supplemented by lectures, essays and discussions, and considerable time will be devoted to a first-hand study of some of the most important works of the greatest modern thinkers.

M.—W., 3:30 P. M., Fall Term.

W.—F., 9 A. M., Winter Term.

W.—F., 9 A. M., Spring Term.

6. ADVANCED ETHICS. This course is designed to supplement the work of Course 3. Its character will depend largely upon the number, time and wants of the students electing it. (1.) It may take the form of a study of the History of Ethics, in which case Sidgwick's work on that subject will be used as a basis, or again, (2) it may consist of a critical study of one or more of the most important recent works on Ethics, *e. g.*, Martineau, "Types of Ethical Theory;" Sidgwick, "Methods of Ethics;" Green, "Prolegomena to Ethics."

W.—F., 3:30 P. M., Winter and Spring Terms.

The Department of Pedagogy

Education is so universal an interest that a college or university curriculum might well include its history and theory, without reference to their practical applications; but in view of the hopeful growth of a professional spirit among teachers, and of the fact that positions in secondary schools and colleges are supplied from the ranks of college graduates who, for the most part, have not enjoyed a special normal school training, there exists a stronger reason than this general interest for the existence of college courses in Pedagogy. It is the province of courses in Pedagogy to point out the development of the human mind; to

suggest the best way of sharing in that development, and to give a wide outlook over previous experiments in education—in short, to present the work of the teacher in those scientific, historical, and ethical, relations which alone give it its right significance.

That it is important to combine with this more theoretical training the greatest possible amount of practical experience in schools is universally recognized, but on account of obvious difficulties, it is not generally practiced. In this important respect the department of Pedagogy in Colgate University is believed to be unique. The presence on the University grounds of a large and successful academy gives an opportunity to the students in Pedagogy for direct contact with school work which will be utilized in every practicable way.

The courses in Pedagogy are elective, being open in general to Seniors, and in some cases to special students. Students taking these courses must preferably have already had the general course in Psychology, or they may take it at the same time with the courses in Pedagogy. The following courses are offered:

1. HISTORY OF EDUCATION, with reference to the ideal conceptions of manhood and womanhood that have prevailed at various times and among various peoples and the methods employed and proposed to realize them. Lectures, reports and conferences. Three hours' course.

M.—W., 2:30 P. M., Fall Term.

2. INSTITUTES OF EDUCATION: an attempt to formulate a rational theory of education to the end that education may be made to conform to the nature of children and youth. Three hours' course.

M. and T., 3:30 P. M., Winter Term.

3. SCHOOL ORGANIZATION AND MANAGEMENT AND METHODS OF TEACHING SUBJECTS IN SECONDARY SCHOOLS. This course is mainly practical and experimental, and can be taken only in connection with courses 1 and 2. For the Fall and Winter Terms it will consist of one hour a week spent by each student, as may be arranged by the professor, in attendance at the regular class exercises in Colgate Academy or some other easily accessible school. Occasionally classes in Colgate Academy will be placed in charge of a member of the class in Pedagogy for one or

more recitation periods. If practicable, excursions will be arranged to neighboring institutions. The class will meet occasionally to hear reports on and criticisms of its work. It is intended that the students in this course shall acquire some familiarity with every step in our educational system from the district schools of the country to the college and university. In the Spring Term lectures will be given on the school systems of other countries with especial reference to Germany, the training of teachers, school discipline, etc. In addition, lectures may be expected from various members of the faculty treating of the place of their several specialties in the school curriculum and methods and appliances for teaching them.

M. — W., 10 A. M., Spring Term.

Requirements for Graduation

The Bachelors' Degrees

The University provides five distinct and parallel courses of instruction leading to the Bachelors' Degrees:

I. A COURSE IN ARTS, requiring Latin and Greek for matriculation, and leading to the degree of Bachelor of Arts.

II. A COURSE IN LETTERS AND PHILOSOPHY, requiring Greek and German for matriculation, and leading to the degree of Bachelor of Philosophy.

III. A COURSE IN LETTERS AND PHILOSOPHY, requiring Latin and German for matriculation, and leading to the degree of Bachelor of Philosophy.

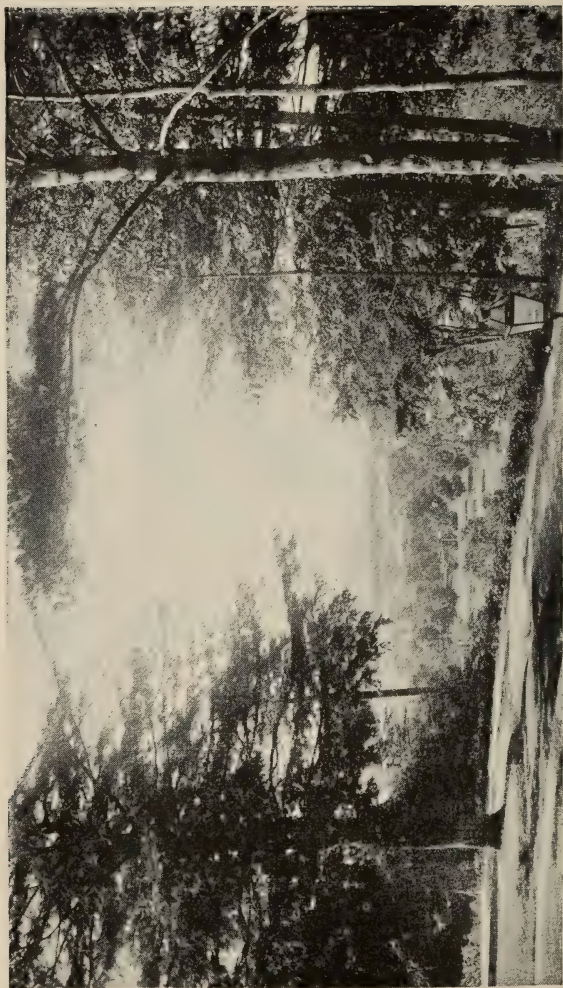
IV. A COURSE IN LETTERS AND SCIENCE, requiring, with Latin and French, certain scientific subjects for matriculation, and leading to the degree of Bachelor of Science.

V. A COURSE IN LETTERS AND SCIENCE, requiring, with German and French and the elements of Latin, certain scientific subjects for matriculation, and leading to the degree of Bachelor of Science.

These several courses extend over four undergraduate years, and consist of prescribed and elective studies in

Philosophy, History and Political Science, Art, Language and Literature, Mathematics, and Natural Science. Each student is required to have not less than seventeen hours of work per week, except during the third term of Senior year, when only twelve are required. In courses I, II, and III, all the work of the first five terms, with fourteen hours of the sixth term, is prescribed. In courses IV and V, all the work of the first six terms is prescribed. In all the courses, seven hours per week during Junior year, and five during Senior year, are prescribed. In addition to these, each student must select from the elective studies offered, a sufficient number of hours to make up the required amount.

A synopsis of the several undergraduate courses follows.



Athletic Field—View from Eaton Hall

COURSES OF STUDY

Synopsis of Requirements for Bachelors' Degrees

I. COURSE IN ARTS

For the Degree of Bachelor of Arts

Freshman Year

LATIN: [Courses 1-3.] Cicero, Tacitus, and Horace.
Three terms, three hours a week.

GREEK: [Courses 1-3.] Homer, Herodotus, and Plato's Apology of Socrates.
Three terms, three hours a week.

FRENCH: [Course 1.] Systematic drill in grammar with special reference to syntax. Rapid reading. Lectures introductory to the course in French literature.
Three terms, two hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays, and Declamations.
Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry and Surveying.
Three terms, five hours a week.

Sophomore Year

LATIN: [Courses 4 and 5.] Horace, Catullus, Juvenal, and Persius.
Fall Term, five hours a week.
Winter Term, three hours a week.

GREEK: [Courses 4-6.] Demosthenes, Æschylus, Sophocles, Euripides, Aristophanes, and Lucian.
Fall and Spring Terms, three hours a week.
Winter Term, five hours a week.

ENGLISH: [Course 1.] History of English Literature.
Three terms, two hours a week.

GERMAN: [Course 2.] Elementary drill in Grammar and Reader. General introduction to the courses in German Literature.
Three terms, three hours a week.

ORATORY: [Course 3 completed.] Declamations.
Three terms, one hour a week.

MATHEMATICS: [Courses 4 and 5.] Spherical Trigonometry and Analytic Geometry.
Two terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, Elementary Course.
Spring Term, five hours a week.

ELECTIVE STUDIES:

LATIN: [Course 6.] Pliny.

MATHEMATICS: [Course 6.] Calculus.

Spring Term, three hours a week.

Junior Year

PHILOSOPHY: [Course 1.] Logic, Formal and Applied.
Fall Term, five hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of specimen books.
Characteristics of various kinds of literature contained in the Bible, &c.
Winter and Spring Terms, two hours a week.

ORATORY: [Course 4.] Orations by appointment through the year.
Equivalent to a two hours' course for three terms.

ELECTIVE STUDIES: In addition to the required studies, each student must elect other work to occupy not less than ten hours a week in the Fall Term, and thirteen hours a week in the Winter and Spring Terms. The elective courses open to Juniors are the following:

FALL TERM. Latin: Plautus and Terence. Greek: New Testament. Hebrew. English: Elizabethan Poetry, Anglo-Saxon. French: Molière. German: Lessing. Mathematics: Calculus. Physics. Geology. Chemistry: [Course 2.] History: [Courses 1 and 2.]

WINTER TERM. Latin: Roman Literature. Greek: Plato or Aristotle. Hebrew. English: Elizabethan Drama, Anglo-Saxon. French: Literature of the Eighteenth Century. German: Schiller. Mathematics: Calculus. Physics. Geology. Zoölogy. Chemistry: [Course 3.] History: [Course 3.]

SPRING TERM. Latin Inscriptions. Hebrew. English: Eighteenth Century Poetry, Early and Middle English. French: Literature of the Nineteenth Century. German: Goethe. Mathematics: Determinants. Physics. Botany. Geology. Chemistry: [Course 4.] History: [Courses 4 and 5.] History of Greek Philosophy.

Senior Year

PHILOSOPHY : [Courses 2, 3, and 4.] Psychology, Ethics, Evidences of Christianity.

Fall Term, five hours a week.

Winter and Spring Terms, two hours a week.

POLITICAL ECONOMY : [Course 1.] Walker. Lectures, Discussions.

Winter and Spring Terms, three hours a week.

ELECTIVE STUDIES : In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter Terms, and seven hours a week during the Spring Term. The elective courses open to Seniors are the following:

FALL TERM. Hebrew, Arabic, Ethiopic. English: Romantic Poetry. German: Goethe's Faust. Italian. Debates. Mathematics: Theory of Equations. Astronomy. Paleontology. Chemistry: [Course 5.] Mineralogy: [Course 7.] History: [Courses 6 and 7.] History of Art. History of Modern Philosophy. Pedagogy.

WINTER TERM. Hebrew, Arabic, classical Aramaic, Semitic History. English: Victorian Poetry. German: Goethe's Faust. Italian. Debates. Mathematics: Quaternions. Physics. Geology. Chemistry: [Course 5.] Mineralogy: [Course 8.] History: [Course 8.] History of Art. History of Modern Philosophy. Advanced Ethics. Pedagogy.

SPRING TERM. Hebrew, Assyrian, Palestinian Aramaic, Comparative Semitic Philology. American Poetry, or English Fiction. German: Lyric Poetry. Italian. Physics. Chemistry: [Course 6.] History. [Courses 9 and 10.] History of Art. Socialism. History of Modern Philosophy. Advanced Ethics. Pedagogy.

In addition to the above, the elective courses of the Junior year are open to Seniors, where hours of recitation do not conflict.

II. COURSE IN LETTERS AND PHILOSOPHY

For the Degree of Bachelor of Philosophy

Freshman Year

GREEK: [Courses 1-3.] Homer, Herodotus, and Plato's Apology of Socrates.

Three terms, three hours a week.

FRENCH: [Course 1.] Systematic drill in grammar with special reference to syntax. Rapid reading. Lectures introductory to the courses in French literature.

Three terms, two hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays, and Declamations.

Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry, and Surveying.

Three terms, five hours a week.

GERMAN: [Courses 6-8.] Lessing, Lectures on Work and Influence. Introduction to classical German literature. The Drama.

Three terms, three hours a week.

Sophomore Year

GREEK: [Courses 4-6.] Demosthenes, Æschylus, Sophocles, Euripides, Aristophanes, and Lucian.

Fall and Spring Terms, three hours a week.

Winter Term, five hours a week.

ENGLISH: [Courses 1 and 5-7.] History of English Literature. Elizabethan Poetry. Elizabethan Drama. Eighteenth Century Poetry.

Three terms, five hours a week.

GERMAN: [Course 9.] Goethe's Faust.

Fall and Winter Terms, three hours a week.

FRENCH: [Course 3.] Literature of seventeenth century. Molière.

Fall Term, two hours a week.

ORATORY: [Course 3 completed]. Declamations.

Three terms, one hour a week.

MATHEMATICS: [Courses 4 and 5] Spherical Trigonometry and Analytic Geometry.

Fall and Winter Terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, elementary course.

Spring Term, five hours a week.

ELECTIVE STUDIES:

GERMAN: [Course 10.] Lyric poetry, literature from the earliest time, or

MATHEMATICS: [Course 6.] Calculus.

Spring Term, three hours a week.

Junior Year

PHILOSOPHY: [Course 1.] Logic: Formal and Applied.

Fall Term, five hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of Specimen Books. Characteristics of various kinds of Literature contained in the Bible, &c.

Winter and Spring Terms, two hours a week.

ORATORY: [Course 4.] Orations by appointment throughout the year.

Equivalent to two hours' course for three terms.

***ELECTIVE STUDIES:** In addition to the required studies, each student must elect other work to occupy not less than ten hours a week in the Fall Term, and thirteen hours a week in the Winter and Spring Terms.

Senior Year

PHILOSOPHY: [Courses 2, 3, and 4] Psychology, Ethics, Evidences of Christianity.

Fall Term, five hours a week.

Winter and Spring Terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker; Lectures, Discussions.

Winter and Spring Terms, three hours a week.

***ELECTIVE STUDIES:** In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter Terms, and seven hours a week during the Spring Term.

*The elective studies are given in full under the course in Arts, and each student will select such studies as he is prepared to take.

III. COURSE IN LETTERS AND PHILOSOPHY

For the Degree of Bachelor of Philosophy

Freshman Year

LATIN: [Courses 1-3.] Cicero, Tacitus, and Horace.
Three terms, three hours a week.

FRENCH: [Course 1.] Systematic drill in grammar with special reference to syntax. Rapid reading. Lectures introductory to the courses in French literature.
Three terms, two hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays, and Declamations.
Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry and Surveying.
Three terms, five hours a week.

GERMAN: [Courses 6-8.] Lessing, Lectures on Work and Influence. Introduction to classical German literature. The Drama.
Three terms, three hours a week.

Sophomore Year

LATIN: [Courses 4 and 5.] Horace, Catullus, Juvenal, and Persius.
Fall Term, five hours a week.
Winter and Spring Terms, three hours a week.

ENGLISH: [Courses 1 and 5-7.] History of English Literature. Elizabethan Poetry. Elizabethan Drama. Eighteenth Century Poetry.
Three terms, five hours a week.

GERMAN: [Course 9.] Goethe's Faust.
Fall and Winter Terms, three hours a week.

FRENCH: [Course 4.] Literature of eighteenth century; Voltaire. Rousseau.
Winter Term, two hours a week.

ORATORY: [Course 3 completed.] Declamations.
Three terms, one hour a week.

MATHEMATICS: [Courses 4 and 5.] Spherical Trigonometry and Analytic Geometry.

Fall and Winter Terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, elementary course.

Spring Term, five hours a week.

ELECTIVE STUDIES:

GERMAN: [Course 10.] Lyric poetry, Literature from the earliest times, or

MATHEMATICS: [Course 6.] Calculus.

Spring Term, three hours a week

Junior Year

PHILOSOPHY: [Course 1.] Logic, Formal and Applied.

Fall Term, five hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of Specimen Books.

Characteristics of various kinds of literature contained in the Bible, etc.

Winter and Spring Terms, two hours a week.

ORATORY: [Course 4.] Orations by appointment throughout the year.

Equivalent to two hours' course for three terms.

***ELECTIVE STUDIES:** In addition to the required studies, each student must elect other work to occupy not less than ten hours a week in the Fall Term, and thirteen hours a week in the Winter and Spring Terms.

Senior Year

PHILOSOPHY: [Courses 2, 3, and 4.] Psychology, Ethics, Evidences of Christianity.

Fall Term, five hours a week.

Winter and Spring Terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker; Lectures, Discussions.

Winter and Spring Terms, three hours a week.

***ELECTIVE STUDIES:** In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter Terms, and seven hours a week during the Spring Term.

*The elective studies are given in full under the Course in Arts, and each student will select such studies as he is prepared to take.

IV. COURSE IN LETTERS AND SCIENCE

For the Degree of Bachelor of Science

Freshman Year

LATIN: [Courses 1 and 2.] Cicero, Tacitus, and Horace.

Three terms, three hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric, Elocution, Essays, and Declamations.

Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry and Surveying.

Three terms, five hours a week.

GEOLOGY AND ZOÖLOGY: Dynamical Geology, Zoölogy, Historical Geology.

Fall Term, five hours a week.

Winter and Spring Terms, three hours a week.

Sophomore Year

MATHEMATICS: [Courses 4-6.] Spherical Trigonometry, Analytic Geometry and Calculus.

Three terms, three hours a week.

GERMAN: [Course 2.] Elementary Drill in Grammar, and Reader.

General introduction to the courses in German literature.

Three terms, three hours a week.

ENGLISH: [Courses 1-3.] History of English literature.

Three terms, two hours a week.

FRENCH: Molière.

Fall Term, two hours a week.

ORATORY: [Course 3 completed.] Declamations.

Three terms, one hour a week.

CHEMISTRY: [Courses 2-4.] Analytical Chemistry, Qualitative Analysis, Lectures.

Three terms, five hours a week.

GEOLOGY AND BOTANY: Lithological and Structural Geology, Botany.

Winter Term, two hours a week.

Spring Term, three hours a week.

Junior Year

ORATORY: [Course 4.] Orations by appointment.

Equivalent to a two hours' course for three terms.

MATHEMATICS: [Course 7.] Calculus.

Fall Term, three hours a week.

FRENCH: [Course 3.] Literature of the seventeenth century. Molière.

Fall Term, two hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of Specimen Books.
Characteristics of various kinds of literature contained in the Bible,
&c.

Winter and Spring Terms, two hours a week.

***ELECTIVE STUDIES:** In addition to the required studies, each student must elect other work to occupy not less than ten hours a week in the all Term, and thirteen hours a week in the Winter and Spring Terms.

Senior Year

PHILOSOPHY: [Courses 2, 3, and 4.] Psychology, Ethics, Evidences of Christianity.

Fall Term, five hours a week.

Winter and Spring Terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker; Lectures, Discussions.

Winter and Spring Terms, three hours a week.

***ELECTIVE STUDIES:** In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter Terms, and seven hours a week during the Spring Term.

*The elective studies are given in full under the Course in Arts, and each student will select such studies as he is prepared to take.

V. COURSE IN LETTERS AND SCIENCE

For the Degree of Bachelor of Science

Freshman Year

GERMAN: [Courses 6-8.] Lessing: Lectures on Work and Influence.
Introduction to Classical German literature. The Drama.

Three terms, three hours a week.

RHETORIC AND ORATORY: [Courses 1 and 2; Course 3 begun.] Rhetoric,
Elocution, Essays, and Declamations.

Three terms, four hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra,
Plane Trigonometry, and Surveying.

Three terms, five hours a week.

GEOLOGY AND ZOÖLOGY: Dynamical Geology, Zoölogy, Historical Geology.
Fall Term, five hours a week.

Winter and Spring Terms, three hours a week.

Sophomore Year

GERMAN: [Courses 9 and 10.] Goethe's Faust. Lyric Poetry, Literature
from earliest times.

Three terms, three hours a week.

MATHEMATICS: [Courses 4-6.] Spherical Trigonometry, Analytic Geome-
try, and Calculus.

Three terms, three hours a week.

ENGLISH: [Courses 1-3.] History of English literature.

Three terms, two hours a week.

FRENCH: Molière.

Fall Term, two hours a week.

ORATORY: [Course 3, completed.] Declamations.

Three terms, one hour a week.

CHEMISTRY: [Courses 2-4.] Analytical Chemistry, Qualitative Analysis,
Lectures.

Three terms, five hours a week.

GEOLOGY AND BOTANY: Lithological and Structural Geology, Botany.

Winter Term, two hours a week.

Spring Term, three hours a week.

Junior Year

ORATORY: [Course 4.] Orations by appointment.
Equivalent to a two hours' course for three terms.

MATHEMATICS: [Course 7.] Calculus.
Fall Term, three hours a week.

FRENCH: [Course 3.] Literature of the seventeenth century. Molière.
Fall Term, two hours a week.

BIBLICAL LITERATURE: [Courses 1 and 2.] Analysis of Specimen Books.
Characteristics of various kinds of literature contained in the Bible, &c.
Winter and Spring Terms, two hours a week.

***ELECTIVE STUDIES:** In addition to the required studies, each student must elect other work to occupy not less than ten hours a week in the Fall Term, and thirteen hours a week in the Winter and Spring Terms.

Senior Year

PHILOSOPHY: [Courses 2, 3, and 4.] Psychology, Ethics, Evidences of Christianity.

Fall Term, five hours a week.
Winter and Spring Terms, two hours a week.

POLITICAL ECONOMY: [Course 1.] Walker; Lectures, Discussions.
Winter and Spring Terms, three hours a week.

***ELECTIVE STUDIES:** In addition to the required studies, each student must elect other work to occupy not less than twelve hours a week during the Fall and Winter Terms, and seven hours a week during the Spring Term.

*The elective studies are given in full under the Course in Arts, and each student will select such studies as he is prepared to take.

POST-GRADUATE STUDIES

THE MASTERS' DEGREES

Resident Graduates

The Faculty will recommend for the degree of Master of Arts, Master of Philosophy, or Master of Science, candidates, otherwise properly qualified, who shall have fulfilled the following conditions:

1. They shall have obtained the Bachelor's Degree in Arts, Philosophy, or Science, either at Colgate University, or at some other college of equal grade.

2. They shall have completed one year's post-graduate study, not professional, in Colgate University, in residence and under the direction of the Faculty.

3. Such course of study shall be selected from the advanced courses offered as elective studies in the several departments, or from other courses more advanced which may be arranged with the concurrence of the Faculty.

4. In general such courses of study shall be grouped as follows:

I. INTELLECTUAL AND MORAL PHILOSOPHY: *e. g.* (1) Metaphysics. (2) Ethics. (3) Æsthetics. (4) Psychology. (5) Logic. (6) Philosophy of History and of Government. (7) History of Philosophy, general or special.

II. HISTORY AND POLITICAL SCIENCE: *e. g.* (1) Comparative Constitutional History. (2) Constitutional Law of the United States. (3) Roman Law. (4) International Law. (5) Political Economy. (6) Political and Financial History of the United States. (7) The Constitutional History of England. (8) The Political History of Modern Europe, special periods. (9) Classical and Ancient Oriental History.

III. PHILOLOGICAL SCIENCE: *e. g.* (1) The Critical Study of Greek and Latin Classics. (2) The Semitic and Cognate Languages. (3) Greek Dialects. (4) Early and Later Latin. (5) Greek and Roman Literature. (6) Old and Middle English. (7) English Literature. (8) German and French and Italian Literature.

IV. MATHEMATICS AND THE NATURAL SCIENCES: *e. g.* (1) Pure Mathematics. (2) Physics. (3) Astronomy. (4) Chemistry. (5) Mineralogy. (6) Biology. (7) Botany. (8) Geology. (9) Mechanics.

From these groups the candidate shall have completed the major subject as follows:

For the Degree of Master of Arts or Master of Philosophy from groups I, II, or III. For the Degree of Master of Science from group IV.

In addition to the major subject the candidate shall also have completed two minor subjects which may be taken from groups other than the one from which the major subject is chosen.

5. The above subject must also have been determined upon and submitted to the Faculty for approval prior to October 1st of the year in which the degree is expected to be given.

6. A thesis must also be presented upon some topic related to the major subject and requiring original research. The subject of the thesis must be submitted to the Faculty prior to December 15th, and the thesis itself in completed form prior to May 15th of the year in which the degree is expected to be taken.

Non-Resident Graduates

The Faculty will also recommend for the degree of Master of Arts, or Master of Philosophy, graduates of Colgate University of at least three years' standing, who have taken the Degree of Bachelor of Arts or Bachelor of Philosophy, and who shall make application for the Master's Degree, presenting at the same time a certificate of graduation from a Theological Seminary, a Law School, or a Medical School, or of admission to the practice of law or medicine, or satisfactory evidence of successful labor in that field of education or literature which may have been permanently chosen.

The Faculty will also recommend for the degree of Master of Science, graduates of Colgate University of at least three years' standing, who have taken the degree of Bachelor of Science, and who shall make application for the Master's Degree, presenting at the same time a certificate of graduation from a Medical School, or of admission to the practice of medicine, or who shall present satisfactory evidence of successful professional work actually done, or of the successful prosecution of advanced scientific or professional studies.

REQUIREMENTS FOR ADMISSION

General Requirements

All candidates for admission must bring with them testimonials of attainments and of moral character, preferably from their latest instructors, and, if from another college, a certificate of regular dismissal.

Candidates for the Freshman class must have completed their fifteenth year, and candidates for a higher class must be advanced in age accordingly.

It is recommended that the candidate be prepared for examination in the requirements as specified, but equivalents will be accepted.

Subjects Required for Admission to the Freshman Class

I. All candidates for admission to the Freshman class are examined in the following subjects :

I. MATHEMATICS: Arithmetic, including the metric system of weights and measures. Algebra, the subjects included in Part First of Taylor's College Algebra, or an equivalent in other authors. Geometry, Wentworth's or Chauvenet's Plane Geometry, or an equivalent in other authors.

To enable students to succeed in the study of Mathematics in the University, the studies of the last year of the preparatory course should include a review of both Algebra and Geometry. Much attention also should be given to original work.

2. ENGLISH: The candidate will be required to write a short composition,—correct in spelling, punctuation, grammar, division into paragraphs, and expression,—upon one of several themes announced at the time of the examination. For 1893 the themes will be drawn from the following works, with the substance, plots, incidents, characters, etc., of which it is expected that the student will thoroughly familiarize himself: Shakespere's Julius Cæsar, and Romeo and Juliet, Scott's Marmion, Lowell's

Vision of Sir Launfal, Dickens's Old Curiosity Shop, George Eliot's Adam Bede, Irving's Sketch Book.

The candidate will also be required to correct specimen sentences set for him at the time of the examination.

The works prescribed for the examinations of 1894 and 1895 are the following :

For 1894: Shakespere's Merchant of Venice and Richard III, Burns's Cotter's Saturday Night, Longfellow's Evangeline, Scott's Ivanhoe, Hawthorne's Marble Faun, Bunyan's Pilgrim's Progress, Macaulay's Essay on Clive.

For 1895: Shakespere's Othello and As You Like It, Tennyson's Enoch Arden, Whittier's Snow Bound, Thackeray's Henry Esmond, Goldsmith's Vicar of Wakefield, Addison's Sir Roger de Coverley papers, Holmes's Autocrat of the Breakfast Table.

3. HISTORY: Doyle's History of the United States, Freeman's Series; and Johnson's Outlines of the History of the United States; Freeman's General Sketch of History, Freeman's Series. For the General History, so much of Fisher's Outlines of Universal History as covers the period treated by Freeman; or Smith's Greece, Student's Series; Merivale's Rome, Student's Series, (sixty-six chapters,) and Green's Shorter History of the English People will be accepted as equivalents.

II. Subjects peculiar to each course and required of those students who propose to matriculate in that course.

1. GREEK: Those who enter Course I (The Classical Course) or Course II (The Greek Course), will be examined in Goodwin's or Hadley's Greek Grammar; three books of Xenophon's Anabasis; three books of Homer's Iliad; and in Jones's exercises in Greek Prose.

2. LATIN: Those who enter Course I or Course III (The Latin Course) or Course IV (The Latin Scientific Course), will be examined in Cæsar's Commentaries, Books I-IV; Six orations of Cicero, including that for the Manilian Law and that for the Poet Archias; six books of Virgil's Æneid; Latin Grammar, (Harkness preferred;) and Jones's Exercises in Latin Prose Composition.

Those who enter Course V (The Scientific Course), will

be examined in one of the Latin authors named and in Latin Grammar and in Latin Prose Composition.

3. FRENCH: Those who enter Course IV, or V, will be required to present for examination subjects in French equivalent to the first year's work in the Department of Modern Languages.

Of those who enter Course I, II, or III, there will be required a knowledge of the essential elements of Grammar, and the ability to translate simple Prose.

4. GERMAN: Those who enter Course II, or III, or V, will be required to present for examination, subjects in German equivalent to the second year's work in the Department of Modern Languages.

5. SCIENCE: Those who enter course IV, or V, will be examined in the elements of Chemistry through the non-metals, and in the elements of Natural Philosophy.

Admission to Advanced Standing

Candidates for admission to any class higher than the Freshman are examined in the previous studies, or their equivalents, of the class which they wish to enter. Students coming from another college, may, at the discretion of the Faculty, be admitted upon certificate in the studies covered. If, however, they enter after the beginning of the Sophomore year, and desire to compete for Commencement honors, they will be expected to pass examination upon the previous work of the course. No person will be admitted to the University, as a candidate for the Bachelor's degree, after the opening of the second term of the Senior year.

Admission to Special Courses

In exceptional cases, students not under twenty-one years of age, and not members of any one of the four classes, nor candidates for a degree, are admitted to the privileges of the University and allowed to take special courses, selected under the direction of the Faculty. Such students will be required to pass a preliminary examination sufficient to ascertain their qualifications for the course proposed, and are subject to the same regulations and

discipline, and to the same examinations in the studies pursued, as those who are candidates for a degree.

They cannot compete for prizes or take part at Commencement. They will rank in the catalogue with the class with which they enter the University. These special courses, however, are not offered to those who are members of one of the regular courses and who have failed to maintain standing.

Entrance Examinations

Entrance Examinations will be held at the University as follows: Monday and Tuesday, June 19 and 20, 1893, and again on Tuesday, Wednesday, and Thursday, September 12, 13, and 14, following.

All candidates are recommended to present themselves at the June examinations, so that they may have an opportunity to cancel any conditions in September. Those who remain conditioned after the September examinations or receive conditions at that time, may be required by the respective officers to study under an authorized tutor.

For the benefit of students living at a distance, who cannot conveniently take the June examinations at the University, arrangements may be made by which examinations shall be held under the direction of a college officer or some other authorized person at some convenient point. Under such circumstances the names must be sent to the Dean of the Faculty not later than May 15th, 1893.

Admission by Certificate

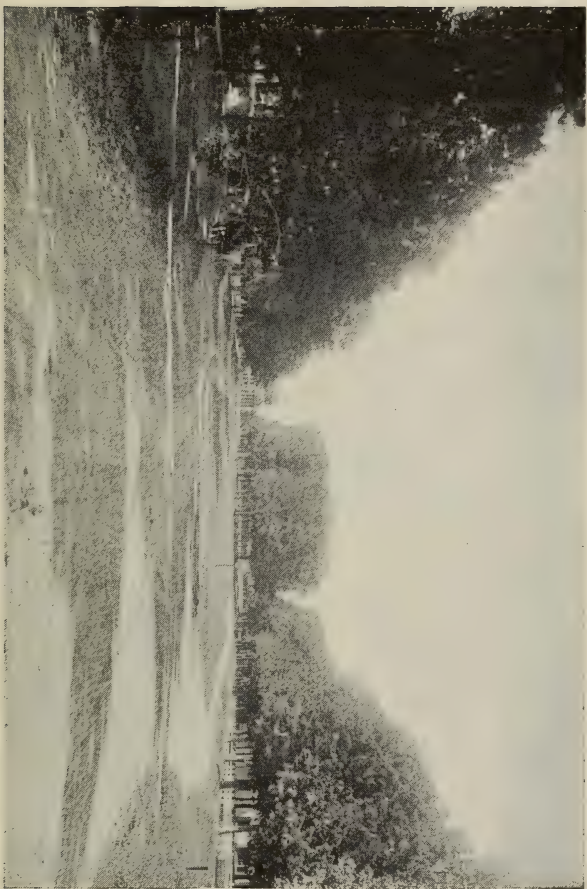
The Pass Cards and College Entrance Diplomas of the University of the State of New York, recently issued, will be accepted as equivalent to the requirements for admission definitely covered by them.

Students, also, who have recently completed a full course of study similar or equivalent to that required for matriculation in any course of this University, may, by special arrangement, be admitted to that course, on the certificate of the Principal of the School from which they come.

Each certificate must state explicitly the subjects on which the candidate has passed a satisfactory examination, and the Principal must certify to the good character and conduct of the pupil.

The Principals of Academies and other preparatory schools who desire to have their students admitted on certificates are invited to correspond with the Dean of the Faculty.

Note :—Correspondence in relation to admission to any of the college classes should be addressed to Professor N. L. Andrews.



Broad Street—Hamilton

COLGATE UNIVERSITY

UNIVERSITY EXTENSION

RALPH W. THOMAS, SECRETARY

The Department of University Extension was organized in October, 1892. Its purpose is to extend higher educational advantages to those who are unable to reside at the University. To this end the department will give needed assistance at the organization of Centres in Central New York, and will arrange for lectures by the College Faculty upon the subjects advertised wherever their services may be required. Each course consists of ten weekly lectures. The University Extension plan comprises lectures, the syllabus, class-work, written-work, guided reading, students' clubs, and final examination at the end of the Course. The class-work, written-work, students' club, and final examination are voluntary.

While a part of the regular organization of Colgate University, the department aims to carry on its work in connection with the University Extension Department of the University of the State of New York. Final examinations at the Centres are conducted by the State, and all records of Extension scholarship are kept at the Regents' office. The actual teaching, however, is done by Colgate professors, whose aim is to arouse at the various Centres something of the spirit which characterizes work at the University.

Applications for circulars, information, assistance in organizing Centres, or courses of lectures offered, should be made to the University Extension Secretary, Colgate University, Hamilton, N. Y. All such applications will receive prompt attention.

The following is a statement of the University Extension Courses offered by the University, with the names of the Professors who offer them :

GREEK LITERATURE

PROFESSOR N. LLOYD ANDREWS :

COURSE 1. Greek Literature, (with illustrative readings).

COURSE 2. History of Ancient Architecture, (with stereopticon views).

(a.) Egyptian.

(b.) Assyrian.

(c.) Greek.

(d.) Roman.

MATHEMATICS

PROFESSOR JAMES M. TAYLOR :

COURSE 1. Algebra.

COURSE 2. Calculus.

BIBLICAL LITERATURE

PROFESSOR S BURNHAM :

COURSE 1. Poetic Literature of the Old Testament.

COURSE 2. Prophetic Literature of the Old Testament.

COURSE 3. History of Israel from the Exodus to the close of the Babylonian exile.

COURSE 4. Assyro—Babylonian History.

CHEMISTRY

PROFESSOR JOSEPH F. MCGREGORY :

COURSE 1. Analytical Chemistry.

COURSE 2. Applied Chemistry.

ENGLISH LITERATURE

PROFESSOR WILLIAM H. CRAWSHAW :

COURSE 1. Introductory Course to English and American Literature.

COURSE 2. English Poetry of the 19th Century.

COURSE 3. The Development of the Modern Novel.

COURSE 4. Shakespere's Othello.

SEMITIC LANGUAGES

PROFESSOR NATHANIEL SCHMIDT:

- COURSE 1. The Bible in the Light of Historic Research,
(with stereopticon views.)
- COURSE 2. History of Syria before the Hebrew Invasion.
- COURSE 3. History of Egypt, (with stereopticon views.)
- COURSE 4. Arabia before Muhammed.
- COURSE 5. Relations of Islam to Judaism and Christianity.

GERMAN LITERATURE

PROFESSOR ROBERT W. MOORE:

[Over three hundred stereopticon views are used in illustrating these lectures.]

- COURSE 1. 1, Old High-German Period.
2, Middle High-German Period.
 (a) Nibelungenlied, (Illustrated.)
 (b) Gudrun and other important works.
3, New High-German Period.
 (a) Luther and the Reformation, (Illus.)
 (b) Klopstock and Lessing.
 (c) Goethe, (Illustrated.)
 (d) Schiller, (Illustrated.)
 (e) The Romantic School.
 (f) Heine and the Modern Era.
- COURSE 2. From the Crusades to the Reformation.
 [The purpose of this course is to treat more fully the great national epics, the Minnesang and the Meistersang, and the literature of the Reformation.]
- COURSE 3. The Great Classical Period.
 [The most of this course is devoted to the life and works of Klopstock, Lessing, Goethe and Schiller.]
- COURSE 4. The Nineteenth Century.

FRENCH LITERATURE

COURSE 1. The Seventeenth Century.

[The greater part of this course is devoted to the life and works of Corneille, Molière, and Racine.]

GEOLOGY

PROFESSOR ALBERT P. BRIGHAM:

COURSE 1. The Physical History and Scenery of New York, illustrated with stereopticon views.
[The department of Geology is securing a collection of the best photographs, with the view of making this series of illustrations as interesting and as complete as possible.]

COURSE 2. The geological work of Water, also illustrated by views and field excursions, Rivers, Glaciers, Glacial Periods, Lakes, Underground waters, and the Ocean, are the chief subjects of the course.

PHILOSOPHY

PROFESSOR FERDINAND C. FRENCH:

COURSE 1. The History of Ancient Philosophy.

COURSE 2. The History of Modern Philosophy.

PHYSICS AND ASTRONOMY

PROFESSOR ERNEST F. NICHOLS:

COURSE 1. The Constitution of Matter and Molecular Vibration.

COURSE 2. Sound and Light.

COURSE 3. Electricity and Magnetism.

COURSE 4. The New Astronomy—Astro-Physics.

[The courses in Physics and Astronomy will be illustrated by a number of experiments performed in the field of a projection lantern and by lantern slides.]

These courses are offered for the year 1893-94.

HISTORY

PROFESSOR GEORGE W. SMITH :

- COURSE 1. Prehistoric Man.
- COURSE 2. Political and Institutional History of Rome.
- COURSE 3. The Mediæval Period: Struggle Between the Papacy and the Empire.
- COURSE 4. The French Revolution.
- COURSE 5. American History to the Revolution.
- COURSE 6. The Nineteenth Century.
- COURSE 7. Current Economic Questions.

PEDAGOGY

PROFESSOR CHARLES H. THURBER :

- COURSE 1. German Schools: Organization and methods.
- COURSE 2. * School Hygiene and school furniture.
[These lectures are intended primarily for teachers, and the courses will aim to be of practical value in the work of the school-room. At the same time, they will be of interest to trustees, school officers, and all who may be concerned with current educational problems.]

LATIN LANGUAGE AND LITERATURE

PROFESSOR JOHN GREENE :

- COURSE 1. Latin Literature.
- COURSE 2. * Roman Life—Public and Private.

RHETORIC AND ORATORY

PROFESSOR RALPH W. THOMAS :

- COURSE 1. British Orators.
- COURSE 2. American Orators.
- COURSE 3. Practical Rhetoric.

* In preparation.

COLGATE UNIVERSITY

MATERIAL EQUIPMENT

Grounds and Buildings

The present site of the University was determined by the gift, in 1826, of 120 acres of land by Hon. Samuel Payne and his wife. Various additions have been made to the original gift until now the University Grounds cover upward of two hundred acres. Situated near the village of Hamilton, possessed of great natural advantages, with a landscape pleasantly diversified by valley and hill, the location is an ideal one for a college.

Plans for future improvements have been prepared by Mr. Ernest W. Bowditch, of Boston, one of the two leading landscape gardeners of the country. All work on the campus will proceed hereafter in accordance with these plans and under the general supervision of Mr. Bowditch.

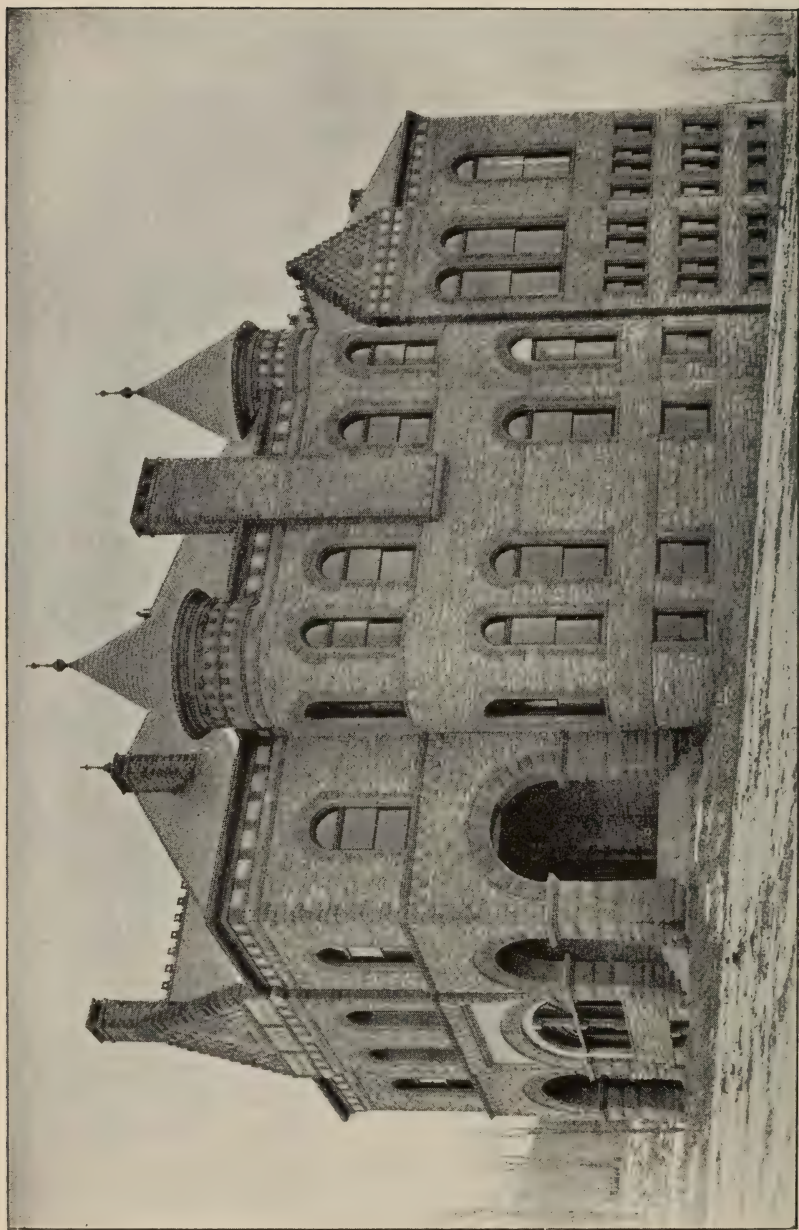
The Superintendent of Grounds and Buildings gives close attention to all improvements, and progress is being made toward the highest development of the unusual natural beauty of the campus.

The Athletic Field covers fifteen acres. It contains base-ball and foot-ball grounds, with grand stand, tennis courts, and ample space for field sports generally. Under the auspices of the Athletic Association the usual winter sports afford healthful recreation in their season.

The principal buildings of the college are :

WEST COLLEGE. This building was erected in 1827. It contains two large lecture rooms, the museum of Natural History, an Historical Seminary room, the Biological Laboratory, and accommodations for seventy students.

EAST COLLEGE. This building was erected in 1834. It is the main dormitory, and contains accommodations for about ninety students, the Janitor's apartments, and bath-



The Colgate Library

rooms furnished with modern appliances. The living rooms in both East and West Colleges are under the supervision of the students' Dormitory Association, subject to the general control of the Superintendent of Grounds and Buildings. This trial of student self-government, instituted several years ago, has proved to be a decided success.

ALUMNI HALL. This building was erected in 1860 by the alumni and friends of the University. It is known in the University Records as The Hall of Alumni and Friends, and contains the college chapel, the room of the college Y. M. C. A., eight lecture rooms, and a public hall with a seating capacity of 1,200.

THE CHEMICAL LABORATORY is the joint gift of the late President Dodge, Col. Morgan L. Smith, of Newark, N. J., Mr. Thomson Kingsford, of Oswego, and Mr. Samuel Colgate, of New York. It was built in 1884, of Hamilton stone, trimmed with brick, and is well adapted to the purposes for which it was built. The building is occupied by the departments of Chemistry and Physics. On the ground floor are two large lecture rooms, well lighted and furnished with necessary apparatus for illustration and experiment. Additional rooms are provided for the storage of apparatus. On the second floor are the laboratory work rooms, which afford opportunity for an extended course in Analytical Chemistry, both Qualitative and Quantitative. These rooms are occupied as follows: (1) The main room, in which Analytical Chemistry is begun. Each student is provided with a desk, furnished with sink, gas jets, air blasts, and a full set of re-agent bottles, besides apartments for tools and apparatus. The room is also furnished with ventilating hoods for work with volatile or poisonous substances. (2) A laboratory for advanced students, fitted with appliances for delicate and accurate work, adjoined by a balance room furnished with accurate balances and other appliances, and by supply rooms containing chemicals and apparatus. (3) A furnace room, supplied with an improved furnace and condenser. (4) Dark rooms for photography and mineralogical work. (5) A library and consulting room, supplied with the latest authorities on the Science of Chemistry.

THE COLGATE LIBRARY, the gift of Mr. James B. Colgate, erected and furnished at a cost of \$140,000, is now

completed and ready for occupation. It contains upward of 20,000 square feet of tiled flooring, is entirely fire-proof, and in the completeness of its facilities, embraces the best results of the large experience of Melvil Dewey, Director of the New York State Library. Besides two stack-rooms with a united capacity of 100,000 volumes, the building contains a reading and consulting room, 60 by 38 feet; a room for the use of the Baptist Historical Collection of documents and bound volumes relative to Baptist History; a room for the use of the large collection of Government Documents owned by the University; a room for the use of the Board of the University, and one for the use of the Board of the Education Society; the office of the Treasurer of the University; three seminary rooms, the room of the Colgate University Press Club; a delivery room, 40 by 54 feet; the Librarian's office; a cataloguer's room; besides other rooms used for various purposes. The building is heated throughout with steam, and open fire places provide ample ventilation. It is believed that in beauty of architecture and in adaptability to the practical needs and daily uses of a University Library, the Colgate Library may justly claim to be the equal of any college library building in the country.

The University Library

The Library is intended to meet the needs of all departments of the University. While the daily needs of the students are not forgotten, the aim is to secure, as far as possible, works that may serve as original sources of information for the members of the Faculty in their personal investigations, and also for those students who may be doing seminary work.

The Library already contains over 23,000 volumes, and is enlarged every year by the expenditure of the income of a Library fund of \$25,000. In the Library, are included the following special collections:

(1) The President Dodge gift of more than 3,500 volumes, especially rich in works on Theology and Art; (2) the Hon. Isaac Davis section, consisting of works on Baptism and works by Baptist authors, annually increased by the income of the fund bequeathed; (3) the William Ward Memorial collection, consisting of Encyclopædias and other works of reference, annually enlarged by the income

of a fund given by the late William Bucknell, Esq., in memory of Rev. William Ward, D. D., class of '48; (4) the collection which once formed the Library of the American and Foreign Bible Society. Twenty-five or more of the best American, English, French, and German, periodicals are taken and bound, and by indexes, are made available for permanent use.

In addition to the contents of the Library already mentioned, there is to be placed in the Library Building in a room especially devoted to its use, the Baptist Historical collection, now numbering some 35,000 pamphlets and bound volumes. This collection, the gift of Mr. Samuel Colgate, consists of annual reports of Associations, State Conventions and Missionary Societies, Catalogues of Educational Institutions, Historical Sermons and Addresses, Histories of Individual Churches, and other documents relating to Baptist history and the religious history of our country. No pains or expense have been spared to make this collection as complete as possible; and it is safe to say that it is the most perfect, and, indeed, almost the only collection of its kind in the world. It will be invaluable to future historical writers of the Baptist denomination, and must be of great value to many others. A pamphlet explaining this collection will be sent free on application to the Librarian. The transferring of this collection to the room devoted to its use, has already been commenced.

The Library is open daily from 8 A. M. to 5:30 P. M., except on Monday afternoons. Students are allowed to take books to their rooms, and also have direct and personal access to a collection of 2,000 volumes, or more, placed in the Reading Room. These volumes are changed more or less every term to meet the varying needs of the different departments. The Librarian and his assistants give the most of their time to the care and development of the Library, and to the work of affording personal aid to the students in the investigation of special subjects and in laying out special courses of reading.

Lectures will be given by the Librarian on the true methods of using and reading books, and on the subject of Library classification. Elementary instruction will also be given in Library economy with the purpose of preparing students who may desire to undertake Library work, for entering the Library school at Albany.

It is the aim of the Library staff to make the Library of

the utmost use to the University; students of all departments are encouraged to ask for assistance in their work, and are urged to use the Reading and Seminary rooms for purposes of special investigation; the correspondence table is at the service of those who may desire to write letters; while the tables for magazines and current literature prove attractive to desultory readers.

Natural Sciences

The departments of Chemistry and Mineralogy, and Physics, occupy the Laboratory building, and are furnished with very complete apparatus for the purposes of instruction. New articles of apparatus are added constantly as they are needed. The courses in Mineralogy have been enlarged during the past year, and by the purchase of a fine working collection of minerals, together with instruments for the study and determination of minerals, students are now offered a short course of practical work in this interesting study.

The Museum of Geology and Natural History contains the following collections:

The Douglass Herbarium, presented by Dr. J. S. Douglass, filling thirty-three volumes, and illustrating the flora of the Northern United States.

The Zoölogical collections, including alcoholic specimens, chiefly collected by the late Professor W. R. Brooks; the conchological collection, consisting largely of tropical species; an excellent display of corals; and a very large and valuable collection of the birds of Europe, the East Indies and North America, secured for the University by Professor A. S. Bickmore of New York.

The geological collection includes an extended series of fossils illustrative of Historical Geology, purchased for the University by Mr. James B. Colgate, and many of Ward's casts of extinct vertebrates, with recent additions from the Rocky Mountains and other localities. The department is now organizing a collection for the illustration of facts in Dynamical Geology. It contains a suite of typical lavas and other volcanic products from many parts of the world, a model of Mount Vesuvius and its environs, and a variety of specimens illustrative of sedimentation, weathering, seashore action, metamorphism, folding, jointing, veins, dikes, and other structures, glacial action, the work of

underground waters, and the geological effects of organicism.

Attention is also directed to the formation of a collection in Economic Geology, and a variety of building stones has been secured, representing, at present, rocks of New York and New England, suitable for building construction.

The lecture room and Laboratory are provided with maps, Zittel's and other charts, models, oxy-hydrogen lantern, a large variety of slides and photographs, and a lithological lathe. There is also a valuable and very complete outfit of microscopes and other apparatus for biological study, which was donated as a class memorial by the class of 1889 of this University.

Religious Societies

THE SOCIETY FOR INQUIRY is an organization which has been maintained by the students for nearly fifty years. Its purpose is to create and preserve an interest in the work of foreign missions. Besides occasional public lectures and sermons, it sustains a monthly concert of prayer for missions, at which reports are presented relating to missionary work. Through members and correspondents, the society has gathered a well selected Missionary Library of 800 volumes, and a museum with a variety of material from Greece, Hindostan, Burmah, Siam, China, Mexico, Africa and other missionary fields, illustrative of the customs, manners, arts, dress, and religious rites, of those countries.

THE COLLEGE YOUNG MEN'S CHRISTIAN ASSOCIATION is a large and enthusiastic organization, devoted to the sustaining and extension of religious life among the students. It sustains weekly meetings, Bible Classes, and a Workers' Training Class. At intervals through the year, public addresses of interest and value are delivered under the auspices of the association.

Expenses

The necessary expenses of a student in Hamilton are exceedingly moderate. Tuition is fixed at a price much lower than that of most eastern institutions, while the dormitories furnish commodious and comfortable rooms at a price merely nominal. Moreover, to worthy and

capable students, aid is furnished by the Baptist Education Society of the State of New York, and numerous scholarships and premiums are provided by the University. It is intended, so far as possible, that no diligent, worthy, student shall leave the institution for lack of means. The friends of the institution have made noble provision for this purpose, but the constant increase of the number of students and the extension of the usefulness of the University, make imperative the need of further provision in aid of promising students. It is hoped that those interested in higher education will be inclined to establish many other general scholarships, applicable at the discretion of the University to the assistance of worthy and capable young men.

The following list includes most of the necessary expenses of the undergraduate student for one year :

Tuition, \$45.00. Room rent, \$10.50 or \$15.00, according to the location of the room. To a student rooming alone, the rent is \$21.00 or \$30.00. Students for the ministry are allowed one-half of a \$21.00 room free, or its value, \$10.50 a year, while occupying any room in the college dormitories, either alone or with others.

An additional fee of \$10.00 a term is incurred by those students who take Analytical Chemistry. This sum is intended to cover the expense of chemicals, gas, and the use of general laboratory apparatus. Besides this, each student is furnished with all necessary glassware at the cost price, and charged with that which he breaks. A fee of \$3.00 per term will also be charged for the use of apparatus in the Biological Laboratory.

The above expenses are payable each term in advance, except as stated above. No deduction is made on account of absence, unless the student enter a lower class.

The fees for the degrees in course, including diploma, are five dollars each, payable in advance.

Board is obtained in clubs at an average cost of \$2.25 a week. In private families it varies from \$2.50 to \$3.50. The cost of board and room in private houses is from \$3.50 to \$4.50 a week. The students who room in the college dormitories furnish their own rooms. The care of the rooms is in part committed to the janitor, Mr. L. Gilmartin.

Resources and Aid

Before the Commencement of 1891, the University possessed, in addition to its grounds and buildings, a productive endowment of about half a million dollars; at that time, it received from Mr. James B. Colgate, of New York, an additional gift of a million dollars, invested and bearing interest. The conditions of this gift are so arranged that the income of one half of the amount becomes available for early improvement of the University and extension of its work, while the income of the other half is added for the present to the principal, and thus provides a steadily-growing fund to meet enlarged necessities in the future. This noble gift has strengthened the University in all its work, and opened the prospect of permanent and increasing efficiency.

The Education Society

Students for the ministry, of suitable character and talents, may receive aid from the Baptist Education Society of the State of New York. The amount furnished varies somewhat according to the needs of the student and his position in the course of study. In addition to the regular contributions made to the society for this purpose, it also has control of a number of scholarships, the income of which is to be expended in the education of young men for the Christian ministry. All communications with reference to the amount and conditions of help for ministerial students should be addressed to the Secretary of the Education Society, Rev. H. S. Loyd, D. D., Hamilton.

The University Scholarships

The University also has at its disposal a number of scholarships, designed for all classes of students, whether students for the ministry or not.

THE TREVOR SCHOLARSHIPS—A fund of \$40,000 was given by the late John B. Trevor, of New York, to establish forty scholarships—twenty yielding \$30 a year and twenty yielding \$90 a year each—for the benefit of those who have served in the army or navy of the United States. "Soldiers or their orphan sons, or sons not orphans, or their brothers or those dependent on soldiers for support—and in this order of preference—shall have the benefit of these scholarships."

THE GANO SCHOLARSHIP, of \$90, established by Mrs. Eliza Rogers, of Providence, R. I.

THE ELEANOR F. DODGE SCHOLARSHIP, of \$60, established by Mrs. E. F. Dodge, of Providence, R. I.

THE EDWARDS SCHOLARSHIP, of \$72, established by Hervey Edwards, of Fayetteville, N. Y.

THE VAN ANTWERP SCHOLARSHIP, of \$60, established by William M. Van-Antwerp, of Albany, N. Y.

THE PALMER SCHOLARSHIP, of \$60, established by Nelson Palmer, of Athens, N. Y., class of 1849.

THE COOLIDGE SCHOLARSHIP, of \$54, established by William Coolidge, of Madison, N. Y.

THE PHILLIPS SCHOLARSHIP, of \$30, established by Thomas Phillips, of New York.

THE CRISSEY SCHOLARSHIP, of \$30, established by Benjamin Crissey, of New York.

THE JEFFERSON TILLINGHAST SCHOLARSHIP, of \$30, established by Jefferson Tillinghast, of Newport, N. Y.

THE PEDDIE SCHOLARSHIP, of \$30, established by Thomas B. Peddie, of Newark, N. J.

THE INGALLS SCHOLARSHIPS, two of \$30 each, established by Mr. and Mrs. David W. Ingalls, of Hamilton, N. Y.

THE BENJAMIN F. TILLINGHAST SCHOLARSHIP, of \$50, established by Benjamin F. Tillinghast, of Cortland, N. Y.

THE CYNTHIA BURCHARD ANDREWS SCHOLARSHIP, of \$60, established by the late Mrs. Cynthia Burchard Andrews, of Hamilton, N. Y.

THE PRESIDENT'S SCHOLARSHIPS, ten of \$39 each, designed for young men of character and capacity not preparing for the Christian ministry.

Written applications may be made to the Treasurer of the University, Mr. W. R. Rowlands, Hamilton, or to any member of the Faculty, giving name, age, residence, purpose in study and means of support. Those who apply for one of the Trevor Scholarships should also state the military service for which the scholarship is asked.

PRIZES

Extracts from the University Regulations

"Only those students who are candidates for a degree can compete for prizes, or other college honors."

"No student is allowed to compete for any prize, unless he has passed all examinations prior to the term in which such competition takes place, and has also maintained standing during the term of competition. No credit in class standing is given for prize work. Students admitted to any class with conditions, must pass examination on the subjects on which conditions have been imposed before competing for any prize."

The Dodge Entrance Prizes

Four prizes were established by the late President Dodge for students entering the Freshman Class of the Classical Course, to be awarded as follows:

To the three students from *Colgate Academy*, whose standing during the Academic Course shall be the highest, will be awarded a First Prize of \$30, a Second Prize of \$24, and a Third Prize of \$18, to be paid at the opening of the Freshman year.

A fourth Dodge Prize, of \$18, may be competed for by students entering from other preparatory schools, and also by such members of the Senior Academic Class as entered the class during the year. This examination must be passed before the Saturday of the opening week. The officers hearing the Freshman Class are the committee of examination and award.

The Kingsford Declamation Prizes

Established by Thomson Kingsford, Esq., of Oswego, N. Y.

By their class record for the year, twelve speakers are chosen from the Freshman, Sophomore, and Junior classes, four from each class. Two speakers from each class receive awards. Premiums of valuable books, for the first and second prizes, are given on Commencement day to the six successful competitors.

The Baldwin Greek Prizes

These prizes have been established for the Sophomore Class by Hon. D. P. Baldwin, LL. D., Class of 1856, Logansport, Ind. The examination, from printed papers, is exclusively in writing, and is upon some author, or work of an author, read by the class in the Spring Term of the Sophomore

year. It embraces both grammar and subject-matter, with exercises in prose composition. There is a First Prize of \$18.00, and a Second Prize of \$12.00. No student can compete unless his standing in all departments averages at least 8. The committee on award is not connected with the University. For the present year, the subject is Lucian's Alectryon and Icaromenippus, and the examination will occur June 10, 1893.

The Osborn Mathematical Prizes

These Prizes, established in honor of the late Professor L. M. Osborn, have been provided for the Junior Class by ten of the Alumni and friends of the University. The examination, which is exclusively in writing, is on the subjects of Analytic Geometry and the Calculus. The Prizes, three in number, a First Prize of \$25.00, a Second Prize of \$20.00, a Third Prize of \$15.00, are awarded by some scholar not connected with the University. No student is allowed to compete for these prizes, whose standing in this, or whose average standing in the other departments, falls below 8. For the present year the examination will occur April 22, 1893.

The Sophomore Latin Prizes

The examination is in writing on some author, or work of an author, read during the third term of the Sophomore year. It includes, however, more than is required of the class, and embraces translation, grammar and subject matter. There is a first prize of \$25.00, and a Second Prize of \$15.00. No student is allowed to compete unless his average standing in all departments is at least 8. The award is made by some prominent scholar not connected with the University. The examination this year will be on Selections from the Letters of Pliny the Younger, and will occur June 3, 1893.

The Allen Essay Prizes

Established by the Rev. George K. Allen, Class of 1870.

Two Prizes, of \$17.00 and \$13.00 respectively, are awarded on Commencement Day to two members of the Sophomore Class, for excellence in English composition. For the present year the essay must be upon one of the following subjects:

1. The Characteristics of American Humorists.
2. Whittier as Poet and Reformer.
3. The Educational Value of University Extension.

The Lasher Essay Prizes

Established by the Rev. George W. Lasher, D. D., Class of 1857.

Two Prizes of \$17.00 and \$13.00 respectively, are awarded on Commencement Day to two members of the Junior Class, for excellence in Eng-

lish composition. For the present year the following subjects have been assigned, one of which must be chosen :

1. Tennyson's Conception of Art.
2. The Influence of George William Curtis in Politics.
3. State Aid to Institutions of Higher Learning.

The successful competitors will read their essays before the Faculty and students in chapel, on the Friday morning before Commencement.

The following regulations apply to both the Allen and Lasher Prize Essays :

1. Each Prize Essay must contain not more than fifteen hundred words, and must be so written that the manuscript will show broad margins, and be suitable for binding ; it must be signed with a fictitious name, and this fictitious name must be subscribed in the sealed note containing the writer's real name.
2. Before the day appointed for receiving the prize essays each competitor must register his name with the Professor of English.
3. The essays which receive awards will remain in the possession of the Librarian, and will not be returned to the writers.

The Lawrence Chemical Prizes

Maintained by Mr. G. O. C. Lawrence, of Buenos Ayres, S. A.

Two Prizes, of \$25.00 and \$15.00 respectively, are awarded on Commencement Day, for excellence in Analytical Chemistry. The examination, which is exclusively in writing, is upon the subjects of General and Analytical Chemistry, as given in Courses 1-4. Any student in this department, who is a candidate for a degree, may compete for these prizes, provided his work in all other departments is satisfactory, and his average standing in this department is not below 8. The next examination will occur June 7, 1893.

The Clarke Oration Prize

Established by Sidney Clarke, Esq., of Park River, No. Dakota.

The contest for this prize occurs at the opening of the Spring Term, and the prize of \$50.00, for excellence in oratory, is awarded on Commencement Day. The regulations for competition are as follows :

1. Any member of the Senior Class, candidate for a degree, who has maintained standing up to the term of competition, may present an oration.
2. The oration presented must contain not more than fifteen hundred words, and, in general, is subject to the regulations for Prize Composition.
3. From the whole number of orations presented, six shall be selected for public delivery.
4. The prize shall be awarded on the ground of excellence both in composition and in delivery.

The following topics are offered for the present year, one of which must be chosen :

1. The English in India.
2. The Orators of the American Abolition Movement.
3. The Independent in Politics.
4. William Ewart Gladstone.
5. The Columbian Exhibition.
6. The Jew in Modern life.

The Class of 1884 Debate Prizes

The Class of 1884 has established a fund whose annual interest will maintain a public prize debate, to be held during Commencement week. The competitors will be chosen from the Graduating Class, and they will be selected from those who have made the highest averages in debate throughout the Senior year. The prizes are \$40.00 and \$20.00.

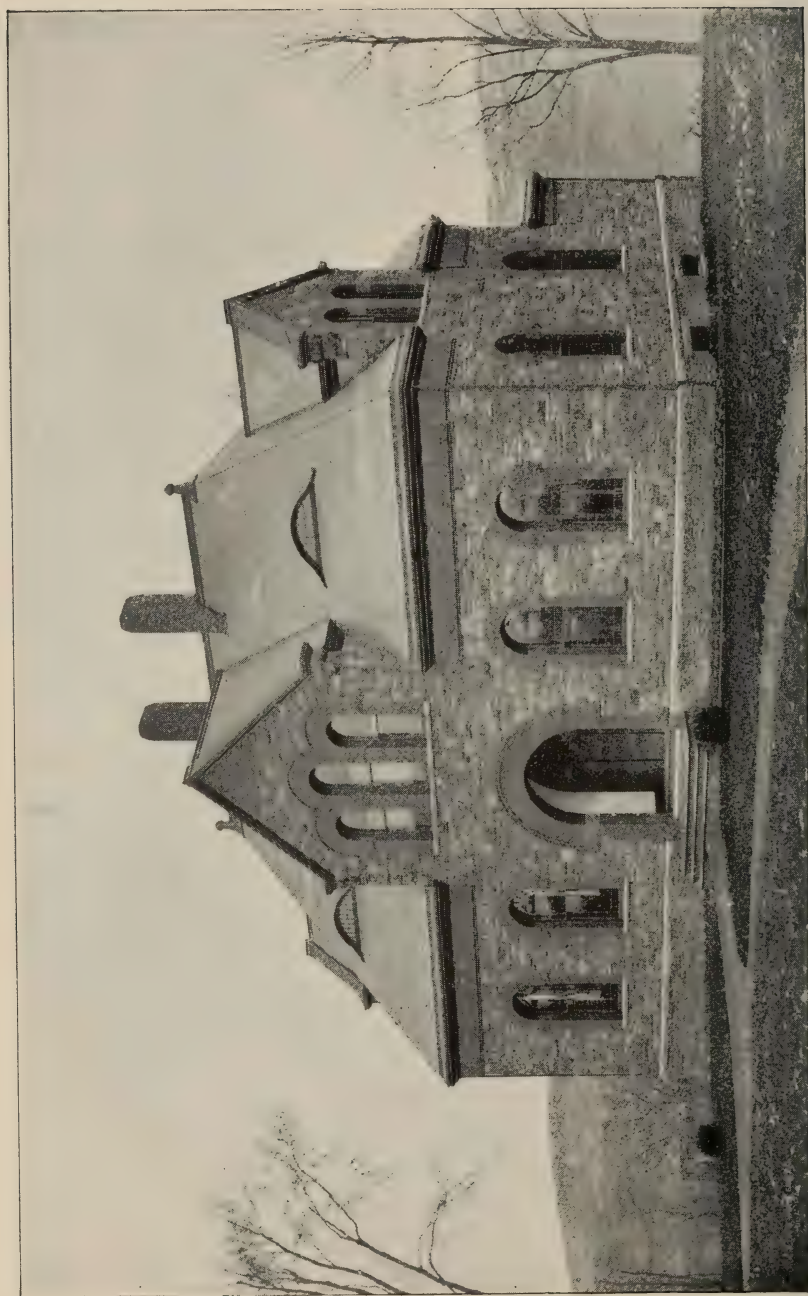
The Lewis Commencement Prize

Established in Memory of George W. M. Lewis, of Utica. N. Y., by the late Professor John James Lewis, LL. D.

On Commencement Day of each year, the sum of \$60.00 will be awarded to that member of the Graduating Class who excels in the composition and delivery of an original oration.

Regulations of the Competition for the George W. M. Lewis Commencement Prize.

1. Every candidate for a degree, who shall be appointed to speak at Commencement, may compete for this prize.
2. Eight minutes will be the limit of time for the delivery of each oration.
3. The Committee of Award will consist of five persons not residents of Hamilton.
4. The sum of \$60.00 will be awarded without division to one orator before the close of the Commencement exercises.



The Chemical Laboratory

GOVERNMENT

Special Regulations

Few formal laws are laid down by the University for the government of its students. It is expected that each student, during his residence at the University, will conduct himself in all his relations as a gentleman. Beyond this, formal laws are unnecessary. Examinations, oral or written, are conducted each term in the studies of the term. These examinations are conducted publicly, by a committee appointed by the Faculty, and are made a test of the student's proficiency and qualification for advancement. Beside the examination each officer grades the scholarship of his students at each exercise in the following scale of merit: *Maximum Grade, 10; Superior, 8; Medium, 6; Inferior, 4; Minimum, 2.* At the close of each term, the average standing is recorded.

No student shall be considered to have passed the term examination whose term standing shall not have reached at least 6, such term standing to be made up from the mark for the term's work and the mark for examination, combined in the proportion of 4 to 1. No student, except by special vote of the Faculty, shall be advanced from any class to the next higher, unless he have an average standing of 6 in every department of study.

Delinquents in term examinations, who fail to present themselves at the special examination succeeding, or who fail to pass such examination, are deprived of all privileges of the class-room, unless a postponement of examinations to a definite time is granted by special action of the Faculty. The above regulation applies also to students who for any reason shall fail to meet their appointments in Oratory, and shall not have made up the same before the close of the term in which the appointments occurred.

If a student shall marry during his course of study, he thereby dissolves his connection with the University. The question of re-admission is subject to the discretion

of the Faculty, but in no case shall he be allowed to re-enter his class.

The Dean has the general supervision, under the Faculty, of the choice of elective studies. Students are required to register their choice on or before the first day of each term, but it is desirable that such choice be reported before the close of the preceding term. After the second Friday night of the term no changes will be allowed, and none before that time, except by special vote of the Faculty.

Students pursuing a select course, not candidates for a degree, may upon application to the President, receive a certificate stating the courses which they have successfully completed. No degree, however, can be conferred, or certificate given, unless the applicant shall have sustained a good moral character, settled all college bills, and returned all books and paid all fines to the Library.

Only those students who are candidates for a degree can compete for prizes or other college honors. But all who enter the regular courses, candidates for a degree, are placed upon an equal footing in such competition, unless specified conditions are made.

No student is allowed to compete for any prize, unless he has passed all examinations prior to the term in which such competition takes place, and has also maintained standing during the term of competition. No credit in class standing is given for prize work. Students admitted to any class with conditions, must pass examination on the subjects in which conditions have been imposed, before competing for any prize.

No student is expected to be absent from any college exercise except in case of necessity. In order, however, to provide for necessary absences of students, a certain number of absences will be allowed in each subject, in accordance with the following regulations :

1. No student shall be allowed to absent himself from more than one-tenth of the whole number of exercises in any course during one term.
2. Any student desiring to be excused from reciting in any exercise shall be charged with absence.

3. No absence in excess of the number allowed shall be excused for any cause whatever.

4. Any student exceeding his allowed number of absences shall be expected to pass all reviews and term-reviews, and shall afterwards be required to pass a special examination before the first Saturday night of the following term. Failing to pass the said special examination, the student shall be required to take the subject again in the class-room. Failing to present himself for the special examination, the student shall be debarred from recitation in any subject until he shall take the said special examination.

5. Continued absence, without cause, in excess of the allowed number of absences, may become a subject for discipline.

6. As respects attendance at chapel, the same proportion of absences shall be allowed as in the case of class-room exercises.

7. Excess of the allowed number of absences from the chapel exercises may become a subject for discipline.

STUDENTS

SENIOR CLASS

[The Roman Numerals refer to the Course pursued.]

BACON, WALTER VALENTINE, Leyden.	I	5 Eaton Hall.
BELDEN, FRANK ORSON, Castile.	V	Mr. J. C. Waldron's.
BRAKER, GEORGE, Jr., Brooklyn.	I	$\Delta K E$ Pierce Memorial.
BROKAW, LEWIS ELLSWORTH, New Market, N. J.	I	$B \theta II$ House.
BRYAN, THOMAS JOSEPH, Boston, Mass.	I	$\Delta K E$ Pierce Memorial.
COBURN, FRED EUGENE, Lowell, Mass.	I	$\phi I \Delta$ Hall.
ERDMANN, ADOLPH FREDERICK, Brooklyn.	I	$B \theta II$ House.
FITCH, EVERETT HENRY, Noank, Conn.	I	$B \theta II$ House.
HARMON, DWIGHT DANA, Lawrenceville.	I	34 E. C.
HENDRICKSON, JUDSON COOPER, Mexico.	I	$\phi I \Delta$ Hall.
HOWE, SHERMAN LORENZO, East Dover, Vt.	I	Mr. Patterson's.
LANG, GEORGE WELLS, Skaneateles.	I	23 W. C.

LEONARD, JAMES SYDNEY, Hamilton.	III	Mr. G. F. Leonard's.
MCLELLAN, ROBERT INGLIS, Glasgow, Scotland.	I	41 E. C.
PARSONS, WALTER BERGEN, Red Bank, N. J.	V	$\Delta K E$ Pierce Memorial.
PETTES, BENJAMIN HIRAM, Towanda, Pa.	I	$\phi K \Psi$ House.
SMITH, PRESTON HOPKINS, Hamilton.	III	Mr. L. M. Smith's.
SMITH, WILL BERTRAND, Brattleboro, Vt.	I	Mr. J. C. Waldron's.
WHITE, WILLIAM FRANK, Hamilton.	I	Mrs. Mary G. White's.
WOOD, IDELL HARTSON, Boonton, N. J.	I	ΔY House.
SENIORS,	- - - - -	20

JUNIOR CLASS

ALDRICH, CYRUS, Hamilton.	I	$\phi \Gamma \Delta$ Hall.
BECKER, FREDERICK CURTIS, Columbia, S. C.	I	Mr. J. H. Burns's.
BLANDEN, MERRILL JAY, Belleville.	I	$\phi K \psi$ House.
BOWN, BYRON ARTHUR, Fairport.	I	$\Delta \Gamma$ House.
BRIGGS, GEORGE ALBERT, Hamilton,	I	Mrs. M. D. Kinmonth's.
BROWNELL, CLARK TINKHAM, Cambridge.	I	Mrs. J. H. Burns's.
CHENEY, SAMUEL TORREY REED, Jamaica, Vt.	I	$\phi K \psi$ House.
CHESTER, WAYLAND MORGAN, Noank, Conn.	I	$B \theta II$ House.
COBB, GEORGE WATSON, Fairport.	I	Mr. J. W. Hurn's.
COLEGROVE, DWIGHT HEMAN, Clinton.	I	Mr. Dart's.
EDDY, BURT HENRY, West Brattleboro, Vt.	I	16 E. C.
EDWARDS, JAMES ROMULUS, Mount Vernon Springs, N. C.	I	28 W. C.
FOGG, MILLER MOORE, Jr., Palermo, N. J.	I	$B \theta II$ House.
GALPIN, FRED TOWER, Canandaigua.	I	Bluff Street.
GODDARD, WILLIAM DEAN, Hamilton.	I	Mrs. J. R. Goddard's.

HUNTER, WILLIAM JR., Ilion.	II	24 E. C.
LARKIN, ALBERT EDWIN, Camillus.	III	Rev. H. S. Loyd's.
LEETE, JOHN HOPKINS, Detroit, Mich	I	Mr. J. W. Hurn's.
MARTIN, HERBERT E., Homer.	I	6 Payne Street.
MORRIS, FRANK RICHARD, Portlandville.	I	Δ Y House.
NEWELL, HARRY EMORY, Davenport.	III	Δ K E Pierce Memorial.
PURINTON, HARRY EDWARD, Buffalo.	I	Δ K E Pierce Memorial.
RISLEY, ADNA WOOD, Jackson, Mich.	I	Mr. C. F. Risley's.
ROGERS, ALFRED WILLIAM, Oneida.	I	28 W. C.
STARK, CLIFFORD, Waverly.	I	Miss Berry's.
SCHMIDT, EMANUEL, Hudiksvall, Sweden.	I	Professor Schmidt's.
STELLE, WILLIAM BERGEN, Jersey City, N. J.	I	Δ K E Pierce Memorial.
STRONG, WILLIAM MAHLON, Terrytown, Pa.	I	37 W. C.
TAYLOR, JAMES PADDOCK, Hamilton.	I	Professor Taylor's.
VAN KIRK, HERBERT, Greenwich.	I	Mrs. A. L. Brown's.

WILLCOX, FRANK GRENNELL, I Δ K E Pierce Memorial.
Holyoke, Mass.

WILSON, CHARLES CARL, I Φ K Ψ House.
Decatur, Ill.

Not Candidates for a Degree

MANY, JAMES WARREN, Mrs. J. G. Abel's.
Mount Vernon.

PEDDIE, JOHN WAYLAND, Δ K E Pierce Memorial.
Philadelphia, Pa.

JUNIORS, - - - - - 34

SOPHOMORE CLASS

ANDERSON, JOHN BENJAMIN, Minneapolis, Minn.	I	20 W. C.
APPLEGATE, JOHN STILWELL, Red Bank, N. J.	I	Δ K E Pierce Memorial.
BOGART, WILL EDWIN, Masonville.	I	College Street.
BUSTIN, DENNIS JOSEPH, Towanda, Pa.	I	Mr. Woodruff's.
CARR, GEORGE HENRY, Clarence Center.	I	33 E. C.
CHESTER, HOWARD ELDRIDGE, Albion.	I	31 W. C.
CLARE, DANIEL HUNT, Newark, N. J.	I	21 W. C.
DAVIS, JESSE BUTRICK, Detroit, Mich.	III	Mr. W. Hubbard's.
FINCH, JOHN WELLINGTON, Earlville.	I	21 W. C.
GRANT, ELMER DANIEL, Westville.	I	Mr. F. H. Ingalls's.
GRIFFITH, JOHN WILLIAM, Nanticoke, Pa.	I	37 W. C.
HATCH, FREDERICK WILLIAM, Washington, D. C.	I	14 W. C.
HILTON, J. ARTHUR, Brooklyn.	V	Mrs. D. P. Hill's.

MACLAY, WALTER, Fleetville, Pa.	I	37 W. C.
MOLYNEAUX, HARRY SAMUEL, Millview, Pa.	III	$\phi K \psi$ House.
MUNRO, FAYETTE SMITH, Camillus.	I	$\Delta K E$ Pierce Memorial.
MUNRO, PHILIP ALLEN, Camillus.	I	$\Delta K E$ Pierce Memorial.
NIMS, HERBERT EDWARD, Decatur, Ill.	I	33 E. C.
SARGENT, ROSCOE, Sandy Creek.	I	$\phi K \psi$ House.
SHELDON, EDWARD HOWARD, Wakefield, Mass	III	29 E. C.
STACKPOLE, MARKHAM WINSLOW, Hamilton.	I	Mrs. Stackpole's.
TURNER, JAMES OLIN, Middletown, Conn.	I	Mr. J. C. Waldron's.
VREDENBURGH, IRVING EZRA, Oil City, Pa.	V	$\phi \Gamma \Delta$ Hall
WALKER, ABBOTT REVERE, Washington, D. C.	I	14 W. C.
WATERHOUSE, WILLIAM PARMELEE, Beaufort, S. C.	III	Miss Berry's.
WILLIAMS, FRANK MARTIN, Durhamville.	I	Mr. H. Tibbitts's.
WILLIAMS, GEORGE DAVID, Durhamville.	I	Mr. H. Tibbitts's.
WINTERS, HERBERT DANIEL, Dundee.	I	$\phi K \psi$ House.

WINTERS, WALTER PAYNE, De Land, Fla.	I ϕ K Ψ House.
WOODRUFF, ERNEST HALL, Waverly.	I ϕ Γ Δ Hall.

Not Candidates for a Degree

BACON, CHARLES BOWMAN, New Lebanon.	Professor Maynard's.
CHITTENDEN, ARTHUR SMITH, Binghamton,	Mr. Tripp's.
HANKS, HARVEY ALEXANDER, Cossayuna.	Mrs. Neiss's.
HICKS, KENNETH CLARK, Canandaigua.	Δ K E Pierce Memorial.
SIMPSON, ARTHUR HENRY, Wolverton, Eng.	I W. C.

SOPHOMORES, - - - - 35

FRESHMAN CLASS

ABERCROMBIE, ABRAHAM LINCOLN, Pomona, Fla.	I	$\Phi K \Psi$ House.
ALLEN, WILLIAM ORVILLE, Hamilton.	I	Rev. H. W. P. Allen's.
BINGHAM, IRA WILCOX, Spencer.	III	Mr. F. H. Ingalls's.
BRADFORD, WILLIAM EDWARD, Owatonna, Minn.	IV	Mrs. J. G. Abel's.
BROWN, WILLIAM HENRY, Dresserville.	II	Mrs. Manchester's.
CARTER, JOHN PILLSBURY, Concord, N. H.	I	35 W. C.
CRANDALL, JOSEPH BERTRAM, Brooklyn.	I	$\Delta \Upsilon$ House.
DAVIES, REES OLIVER, Neath, Pa.	III	$\Phi K \Psi$ House.
FORD, FRANK ERNEST, Camden.	I	25 W. C.
GRENELL, BURT BUDINGTON, Detroit, Mich.	I	Mr. Wolcott Hubbard's.
HUGHES, WALTER LINCOLN, Brooklyn.	II	$\Delta K E$ Pierce Memorial.
LOVETT, FREDERICK CROSBY, Brandon, Vt.	I	46 E. C.
MACCALL, CHARLES AUGUSTUS, Newark, N. J.	I	

MILLS, CHARLES ELMENDORF, Dennysville, Me.	I	A I' House.
NEGUS, CYRUS WILLIAM, Penn Yan.	I	16 W. C.
PARSONS, JAMES SMITH, Oxford.	I	Mr. Patterson's.
ROWE, ARTHUR CLARE, Wappinger's Falls.	I	16 W. C.
SEVERN, HERMAN HARRISON, Ogden City, Utah.	I	Mr. J. F. Goodrich's.
SMITH, FRANCIS ABNER, Meredith.	I	Mr. E. B. Sheldon's.
STACKPOLE, PIERPONT LANGLEY, Hamilton.	I	Mrs. Stackpole's.
STEEN, ELMER LE ROY, Owego, N. Y.	I	35 W. C.
TAYLOR, HARRY ENGLISH, Englishtown, N. J.	I	Mr. E. B. Sheldon's.
TIBBITTS, JOHN CLARK, Utica.	II	35 E. C.
VINTON, SUMNER REDWAY, Hamilton	I	Mr. J. F. Goodrich's.
WHEELER, WILLIAM LOUIS, Hamilton	V	Mrs. Wheeler's.
WHITE, FOSTER HAMILTON, Seneca Falls.	I	B θ II House.
WILCOXEN, WILFRED MILO, Macedon.	I	Mr. Patterson's.
WINEGAR, WILLIAM HOADLEY, Amsterdam.	I	Prof. Brigham's.

Not Candidates for a Degree

BEEBE, ARCHIBALD, Sherburne.	Mr. Tripp's.
CHIBA, KOZO, Tokio, Japan.	Mr. Hurn's.
McKINLEY, LIVINGSTON, Oil City, Pa.	ϕ I' A Hall.
NORTON, HARRY ADAMS, Hamilton.	Bluff St.
RUNYON, CHARLES, Stelton, N. J	B θ II House.
SHUFELT, FLOYD G. Malone.	16 E. C.
SPRAGUE, DELOS EVERETT, Penn Yan.	Mr. A. S. Swift's.
VASSAR, JOHN ELLISON, Poughkeepsie.	B θ II House.
FRESHMEN, - - - -	36

SUMMARY

SENIORS,	-	-	-	-	-	-	-	-	-	20
JUNIORS,	-	-	-	-	-	-	-	-	-	34
SOPHOMORES,	-	-	-	-	-	-	-	-	-	35
FRESHMEN,	-	-	-	-	-	-	-	-	-	36
										<hr/>
Total,	-	-	-	-	-	-	-	-	-	125

ABBREVIATIONS

E. C.	-	-	-	-	-	East College.
W. C.	-	-	-	-	-	West College.
A. H.	-	-	-	-	-	Alumni Hall.

Commencement Exercises

THURSDAY, JUNE 16, 1892

INVOCATION

MUSIC

ORATION Mammonism

ARTHUR MOSELY ALLEN

ORATION The Church of the Future

GEORGE SHELDON BECKWITH

ORATION The Mission of Wendell Phillips

HUGH GILMORE GREGG

Music

ORATION William II, The Extraordinary

ARCHIBALD SMITH KNIGHT

ORATION The Chinese Question

BURTON HENRY MARENES

ORATION Pessimism and the Present Age

HENRY STERLING POTTER

Music

ORATION Robertson of Brighton

JOHN HERMAN RANDALL

ORATION The Statesmanship of Mr. Gladstone

ELMER TILSON STEVENS

Music

ORATION The Czar and His People

JAMES VERNE STURGES

ORATION The Fight of Evolution

ARTHUR GRANT TAYLOR

Music

CONFERRING OF AWARDS AND DEGREES

Benediction

DEGREES

 CONFERRED JUNE 16, 1892

Ph. B.

HOWARD WILLIAM MURPHY,	<i>Albany.</i>
ARTHUR GRANT TAYLOR,	<i>Waverly, Pa.</i>

A. B.

ARTHUR MOSELY ALLEN,	<i>Georgetown.</i>
GEORGE SHELDON BECKWITH,	<i>Schenectady.</i>
LOUIS CARL HUESTIS BIGGS,	<i>Boston, Mass.</i>
DAN SHELDON CARPENTER,	<i>Westport.</i>
EMMETT INMAN CASE,	<i>Plainfield, N. J.</i>
HARVEY WILLIAM CHOLLAR,	<i>Homer.</i>
HUGH GILMORE GREGG,	<i>Barnes Corners.</i>
CHARLES WITCRAFT HAINES,	<i>Philadelphia, Pa.</i>
FRED HOWARD KING,	<i>Oswego.</i>
ARCHIBALD SMITH KNIGHT,	<i>Mexico.</i>
CHARLES AUGUSTUS LEMON,	<i>Attica.</i>
BURTON HENRY MARENES,	<i>Norwich.</i>
HENRY STERLING POTTER,	<i>Carthage.</i>
FRANK HAZEN POTTER,	<i>Carthage.</i>
JOHN HERMAN RANDALL,	<i>St. Paul, Minn.</i>
ELMER TILSON STEVENS,	<i>Cochituate, Mass.</i>
JAMES VERNE STURGES,	<i>North Norwich.</i>
ARCHIBALD HEYER SUTPHIN,	<i>Holmdel, N. J.</i>
CHARLES HENRY ADAMS WAGER,	<i>Cohoes.</i>

A. M. (In Course)

REV. THOMAS BICKFORD,	<i>Branford, Conn.</i>
FRANK H. BENNETT,	<i>Hoosick Falls, N. Y.</i>
REV. HORACE G. MCKEAN,	<i>Philadelphia, Pa.</i>
EDWARD B. SHALLOW,	<i>Rahway, N. J.</i>
REV. WILLIAM J. SHOLAR,	<i>Brooklyn, N. Y.</i>
EDWARD M. VAN KIRK,	<i>Suffield, Conn.</i>
REV. FRED S. RETAN,	<i>La Crosse, Wis.</i>
ROBERT BRUCE,	<i>Hamilton, N. Y.</i>

A. M. (Honorary)

J. SPENCER KENNARD, ESQ.,	<i>Philadelphia, Pa.</i>
---------------------------	--------------------------

D. D.

REV. SAMUEL H. GREENE,	<i>Washington, D. C.</i>
PROF. CHARLES R. BROWN,	<i>Newton³ Centre, Mass.</i>
REV. JAMES A. SPURGEON,	<i>London, England.</i>

HONORS

PHI BETA KAPPA

The following members of the class of 1892 were admitted to Phi Beta Kappa :

DAN SHELDON CARPENTER
 HUGH GILMORE GREGG
 BURTON HENRY MARENES
 HENRY STERLING POTTER
 JOHN HERMAN RANDALL
 ARCHIBALD HEYER SUTPHIN
 CHARLES HENRY ADAMS WAGER

The Lawrence Chemical Prizes

THOMAS JOSEPH BRYAN, *First.*
 IDELL HARTSON WOOD, *Second.*

Committee of Award, Professor JOHN T. STODDARD, Ph. D.,
 Smith College.

The Lasher Prizes in English Composition

ROBERT INGLIS McLELLAN, *First.*
 WILLIAM FRANK WHITE, *Second.*

Committee of Award, Professor JOHN M. MANLY, Brown University.

The Allen Prizes in English Composition

MILLER MOORE FOGG, Jr., *First.*
 JAMES PADDOCK TAYLOR, *Second.*

Committee of Award, Professor JAMES R. TRUAX, Union College.

The Baldwin Greek Prizes

JAMES PADDOCK TAYLOR, *First.*
 EMANUEL SCHMIDT, *Second.*

Committee of Award, Professor RUFUS B. RICHARDSON, Dartmouth College.

The Osborn Mathematical Prizes

WILLIAM FRANK WHITE,
PRESTON HOPKINS SMITH,

First.
Second.

Committee of Award, Professor ARTHUR LATHAM BAKER, C.
E., PH. D., University of Rochester.

The Sophomore Latin Prizes

MILLER MOORE FOGG, JR.,
CLIFFORD STARK,

First.
Second.

Committee of Award, Professor ALBERT G. HARKNESS, Brown
University.

The Fourteenth Kingsford Prize Contest

CLASS OF 1893.

ROBERT INGLIS MCLELLAN,
EVERETT HENRY FITCH,

First.
Second.

CLASS OF 1894.

ADNA WOOD RISLEY,
FRANK RICHARD MORRIS,

First.
Second.

CLASS OF 1895.

MARKHAM WINSLOW STACKPOLE,
JOHN BENJAMIN ANDERSON,

First.
Second.

Committee of Award, { REV. H. A. CORDO, D. D.,
SAMUEL T. HILLMAN, Esq.,
REV. S. T. FORD,

Cortland.
New York.
Syracuse.

Dodge Entrance Prizes

CLASS OF 1895.

ELMER DANIEL GRANT,
DANIEL HUNT CLARE,
JOHN WELLINGTON FINCH,

First.
Second.
Third.

CLASS OF 1896.

SUMNER REDWAY VINTON,
JOSEPH BERTRAM CRANDALL,
HERMON HARRISON SEVERN,

First.
Second.
Third.

The Alumni Association

The membership of this Association consists of Graduates from any one of the courses of study in Colgate University or Hamilton Theological Seminary, and of such persons as have received Honorary Degrees from the University. These, after application, are elected at the Annual Meeting. It also includes Associate Members duly elected at the Annual Meeting.

Officers for 1892-1893

PRESIDENT.

REV. BYRON A. WOODS, ('73,)	Philadelphia, Pa.
-----------------------------	-------------------

VICE PRESIDENTS.

REV. M. A. WILLCOX, D. D., ('62,)	Holyoke, Mass.
PROF. WELLAND HENDRICK, ('80,)	Cortland, N. Y.
EDWARD D. GARDINER, M. D., ('73,)	Warsaw, N. Y.
REV. LEONARD J. DEAN, ('71.)	Albany, N. Y.

SECRETARY.

CHARLES W. UNDERHILL, A. M., ('62,)	Hamilton, N. Y.
-------------------------------------	-----------------

TREASURER,

PROF. JAMES M. TAYLOR, LL.D., ('67,)	Hamilton, N. Y.
--------------------------------------	-----------------

ORATOR,

PROF. WILLIAM P. THOMSON, ('77,)	Auburn, N. Y.
----------------------------------	---------------

ALTERNATE.

REV. WARREN G. PARTRIDGE, ('78,)	Scranton, Pa.
----------------------------------	---------------

NECROLOGIST.

PROF. ALBERT P. BRIGHAM, ('79,)	Hamilton, N. Y.
---------------------------------	-----------------

1892.

CALENDAR 1893.

SEPTEMBER.

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

OCTOBER.

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

NOVEMBER.

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

DECEMBER.

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JANUARY.

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

FEBRUARY.

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

MARCH.

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

APRIL.

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

MAY.

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JUNE.

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JULY.

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

AUGUST.

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

SEPTEMBER.

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

OCTOBER.

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

NOVEMBER.

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

DECEMBER.

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

C—Commencement.

O—Opening of Fall Term.

X—Close of Fall Term.

University Calendar

1892.

- September 8.* Fall Term commenced Thursday.
December 19-21. Term-Examinations, Monday, Tuesday,
Wednesday.
December 21. Fall Term closed, Wednesday.

CHRISTMAS VACATION

1893.

- January 5.* Winter Term commenced, Thursday.
January 7. Special Examinations, Saturday.
January 14. Osborn Mathematical Prize Examination,
Saturday.
January 26. Day of Prayer for Colleges, Thursday.
February 22. Holiday, (Washington's Birthday.)
March 1. Clarke Prize Orations presented, Wednesday
noon.
March 20-22. Term-Examinations, Monday, Tuesday,
Wednesday.
March 22. Winter Term closes, Wednesday.

VACATION OF ONE WEEK

- March 30.* Spring Term commences, Thursday.
April 1. Special Examinations, Saturday.
April 5. Lasher and Allen Prize Eassays presented,
Wednesday noon.
April 7. Clarke Prize Exhibition, Friday.

- May 11.* Commencement Orations presented,
Thursday noon.
- May 30.* Holiday, (Decoration Day,) Tuesday.
- June 3.* Sophomore Latin Prize Examination, Sat-
day.
- June 7.* Lawrence Chemical Prize Examination,
Wednesday afternoon.
- June 10.* Baldwin Greek Prize Examination, Satur-
day.
- June 13, 14.* Examinations of the Senior Class, Tues-
day, Wednesday.
- June 14-16.* Term-Examinations, Wednesday, Thurs-
day, Friday.
- June 19, 20.* First Entrance-Examinations, Monday,
Tuesday.
- June 19.* Kingsford Prize Declamation, Monday
afternoon.
- June 20.* Anniversary of Colgate Academy, Tuesday
morning.
- June 20.* Class of 1884 Prize Debate, Tuesday af-
ternoon.
- June 20.* Meeting of University and Education
Boards, Tuesday.
- June 20.* Meeting of Education Society, Tuesday
evening.
- June 21.* Anniversary of the Seminary, Wednesday
morning.
- June 21.* Meeting of the Alumni Association, Wed-
nesday evening.
- June 22.* SEVENTY-THIRD COMMENCEMENT of Col-
gate University, Thursday.

VACATION OF TWELVE WEEKS

<i>September 12-14.</i>	Second Entrance-Examinations, Tuesday, Wednesday, Thursday.
<i>September 14.</i>	Fall Term commences, Thursday.
<i>September 16.</i>	Special Examinations, Saturday.
<i>November 7.</i>	Holiday, (Election Day,) Tuesday. Thanksgiving Recess, Thursday, Friday, Saturday.
<i>December 18-20.</i>	Term-Examinations, Monday, Tuesday, Wednesday.
<i>December 20.</i>	Fall Term closes.

CHRISTMAS VACATION

INDEX

Abbreviations, 93.

Absences, Regulations concerning, 80.

Admission to Freshman Class, requirements for, 56; Advanced Standing, 58; to Special Courses, 58; by Certificate, 59.

Æschylus, Course in, 16.

Aid to Students 73.

Allen Essay Prizes, 76; Awarded, 97.

Alumni Hall, 67.

Alumni Association, Officers of, 99; Requirements for Membership in, 99.

American History, Courses in, 36.

Anglo Saxon, Courses in, 20.

Arabia, Documentary History of, Courses in, 19.

Arabic, Course in, 18.

Aramaic, Courses in, 19.

Aristophanes' "Clouds," Course in, 17.

Aristotle, Course in, 17.

Art, History of, Course in, 37.

Arts, Course in, 41; Synopsis of, 43.

Assyrian, Course in, 19.

Astronomy, Course in, 30; University Extension Course in, 64.

Bachelors' Degrees, 41; Synopsis of Requirements for, 43.

Baldwin Greek Prizes, 75; Awarded, 97.

Baptist Education Society, 5, 72, 73.

Baptist Historical Collection, 68, 69.

Biblical Literature, Department of, 26; Courses in, 26; University Extension Courses in, 62.

Board, 72.

Botany, Courses in, 33.

Brooks Collection, 70.

Buildings and Grounds, 66.

Calendar, 1892-3, 100; University, 101.
Campus, The, 66.

Chaucer, Courses in, 20.

Chemical Laboratory, The, 67.

Chemistry, Courses in, 33; University Extension Courses in, 62; Required for Admission, 58; Expenses of Courses, 72; Prizes, 77; Award of Prizes, 97.

Chemistry and Mineralogy, Department of, 33; Equipment of Department, 67.

Christianity, Evidences of, Course in, 38.

Cicero, Course in, 13.

Clarke Oration Prize, 77.

Class of '84 Debate Prize, 78.

Colgate Academy, 5, 40.

Colgate Library Building, 67.

Colgate University, Historical Sketch, 5; Press Club, 68.

Colleges, East and West, 66, 67.

Commencement, Exercises of 1892, 94; Prize, 78.

Committee, Executive, 8.

Constitutional Law, English, Course in, 36.

Corporation of the University, 7; Officers of, 8.

Courses of Study, 43.

Courses, Special, Admission to, 58.

Debate, Prizes, 78.

Degrees, Bachelors', 41; Masters', 54; Conferred in 1892, 95, 96.

Delinquents, Examination of, 79, 81.

Demosthenes, Course in, 16.

Determinants, Course in, 29.

Dodge Collection, 68; Dodge Entrance Prizes, 75; Award, 98.

Douglass Herbarium, 70.

East College, 66.

Education, History, Course in, 40; Institutes, 40; Methods, 40.

Education Society, The, 5; Scholarships, 73.

Egypt and Palestine, Course on, 19.

Elective Studies, Choice of, 80; Statement of, 45, 47, 49, 51, 53.

Elizabethan Poetry, Course in, 21.

Elizabethan Drama, Course in, 21.

English, Department of, 19; Courses in, 20, 23; University Extension Courses in, 62; Early and Middle Courses in, 20; Poetry of the 18th Century, Courses in, 21; Romantic Poetry, 22; Victorian Poetry, 22; Prose, Courses in, 22; Fiction, 23; Constitutional Law, 36; Required for Admission, 56.

Ethics, Christian, Courses in, 38, 39.

Ethiopic, Course in, 19.

Euripides, Course in, 16.

Evidences of Christianity, Course in, 38.

Examinations, Entrance, 59; Term, 79; for Delinquents, 79, 81.

Expenses, 71.

Executive Committee, 8.

Faculty, 9.

French, Courses in, 23, 24; for Admission, 58; University Extension Courses in, 64; Revolution 36.

Freshman Class, Admission to, 56; Students in, 90.

Geology, and Natural History, 30.

Geology, Courses in, 31, 32; University Extension Courses in, 64.

German, Courses in, 24; for Admission, 58; University Extension Courses in, 63.

Government, 79.

Government Document Collection, 68.

Graduate Courses, 54.

Graduates, Resident, 54; Non-resident, 55.

Graduation, Requirements for, 41.

Greece, Institutional History of, Course in, 35.

Greek, Department of, 15; Courses in, 15, 18; University Extension Courses in, 62; New Testament, Courses in,

17; for Admission, 57; Philosophy, History of, Course in, 17; Prizes, 75; Award of Prizes, 97.

Grounds and Buildings, 66.

Hamilton Literary and Theological Institution, 5.

Hamilton Theological Seminary, 6.

Hebrew, Courses in, 18, 19.

Hellenistic Greek, Course in, 17.

Herodotus, Course in, 16.

History, Courses in, 35; for Admission, 57; University Extension Courses in, 65; American, Courses in, 36; of Greek Philosophy, Course in, 17; of Modern Philosophy, 39; Department of, 35; of Art, 37; of English Literature, 20; of Education, 40.

Honors for 1892, 97.

Horace, Course in, 14.

Horace and Catullus, Course in, 14.

Iliad, Course in the, 15.

Inquiry, Society of, 71.

Institutions of Middle Ages, Course in, 35.

Isaac Davis Section, 68.

Italian, Courses in, 25, 26.

Junior Class, Students in, 84.

Juvenal and Persius, Course in, 14.

Kingsford Declamation Prizes, 75; Award of Prizes, 98.

Laboratory, Chemical, 67.

Lasher Essay Prizes, 76; Award of Prizes, 97.

Latin, Department of, 13; Courses in, 13-15; University Extension Courses in, 65; for Admission, 57; Prizes, 76; Award of Prizes, 98; Inscriptions, Course in, 15.

Lawrence Chemical Prizes, 77; Award of Prizes, 97.

Letters and Philosophy, Courses in, 41; Synopsis of, 46, 48.

Letters and Science, Courses in, 41; Synopsis of, 49, 52.

Lewis Commencement prize, 78.

Library—

- Building, 67 ;
- University, 68 ;
- Special Collections in, 68, 69 ;
- Staff, 11.

Literature, Courses in English, 20 ; in American, 22 ; in Biblical, 26.

Logic, Course in, 37.

Madison University, 5.

Masters' Degrees, 54.

Material Equipment, 66.

Mathematics, Pure, Department of, 28 ;
Courses in, 28, 29 ; University Extension Courses in, 62 ; for Admission, 56 ; Prizes in, 76 ; Award of Prizes in, 98.

Mediæval History, Course in, 35.

Memorabilia, Xenophon's, Course in, 16.

Middle Ages, Institutions of, Course in, 35.

Mineralogy, Courses in, 34.

Ministerial Students, Aid to, 73.

Modern Greek, Course in, 18.

Modern Languages, Department of, 23 ; for Admission, 58 ; University Extension Courses in, 63, 64.

Museum of Geology and Natural History, Collections in, 70, 71.

Odyssey, Course in, 15.

Officers of the University Corporation, 8.

Oratory, Courses in, 27 ; Prizes, 77, 78 ;
Greek, 16 ; University Extension Courses in, 65.

Organization, 12.

Osborn Mathematical Prizes, 76 ; Award of, 98.

Pedagogy, Department of, 39 ; Courses in, 40 ; University Extension Courses in, 65.

Paleontology, 32.

Persius, Juvenal and, Course in, 14.

Philology, Comparative, 19 ; Semitic, 19 ;
Course in, 19.

Philosophy, Department of, 37 ; Courses in Letters and, 46, 48 ; Greek, History of, Course in, 17 ; University Extension Courses in, 64.

Physics, Course in, 30.

Physics and Astronomy, Department of, 30 ;
Courses in, 30 ; University Extension Courses in, 64.

Plato, Course in, 17.

Plautus and Terence, Course in, 14.

Pliny, Course in, 14.

Political Economy, Department of, 36.

Post-Graduate Studies, 54.

Press Club, Colgate, 68.

Prizes, 75 ; Award of, 97.

Psychology, Course in, 38.

Quaternions, Course in, 29.

Reformation and Renaissance, History of, Course in, 36.

Regulations, Special, 79.

Religious Societies, 71.

Renaissance and Reformation, History of, Course in, 36.

Requirements for Admission, 56.

Requirements for Graduation, 41.

Resources and Aid, 73.

Rhetoric, Courses in, 27 ; University Extension Courses in, 65.

Rhetoric and Oratory, Department of, 26.

Rome, Institutional History of, Course in, 35.

Roman Literature, Course in, 14 ; University Extension Courses in, 65.

Room Rent, 72.

Scholarships, Education Society, 73 ;
University, 73.

Science, Courses in Letters and, 50, 52 ;
Equipment of Departments of, 70 ; for Admission, 58.

Seminary Courses, Greek, 16, 18 ; English, 21 ; English Constitutional Law, 36 ; American History, 36.

Semitic Languages, Department of, 18 ;
Courses in, 18, 19 ; University Extension Courses in, 63.

Semitic Philology, Course in, 19.

Senior Class, Students in, 82.

Septuagint, Course in, 17, 18.

Shakspeare, Courses in, 21.

Socialism, Contemporary, Course in, 37.

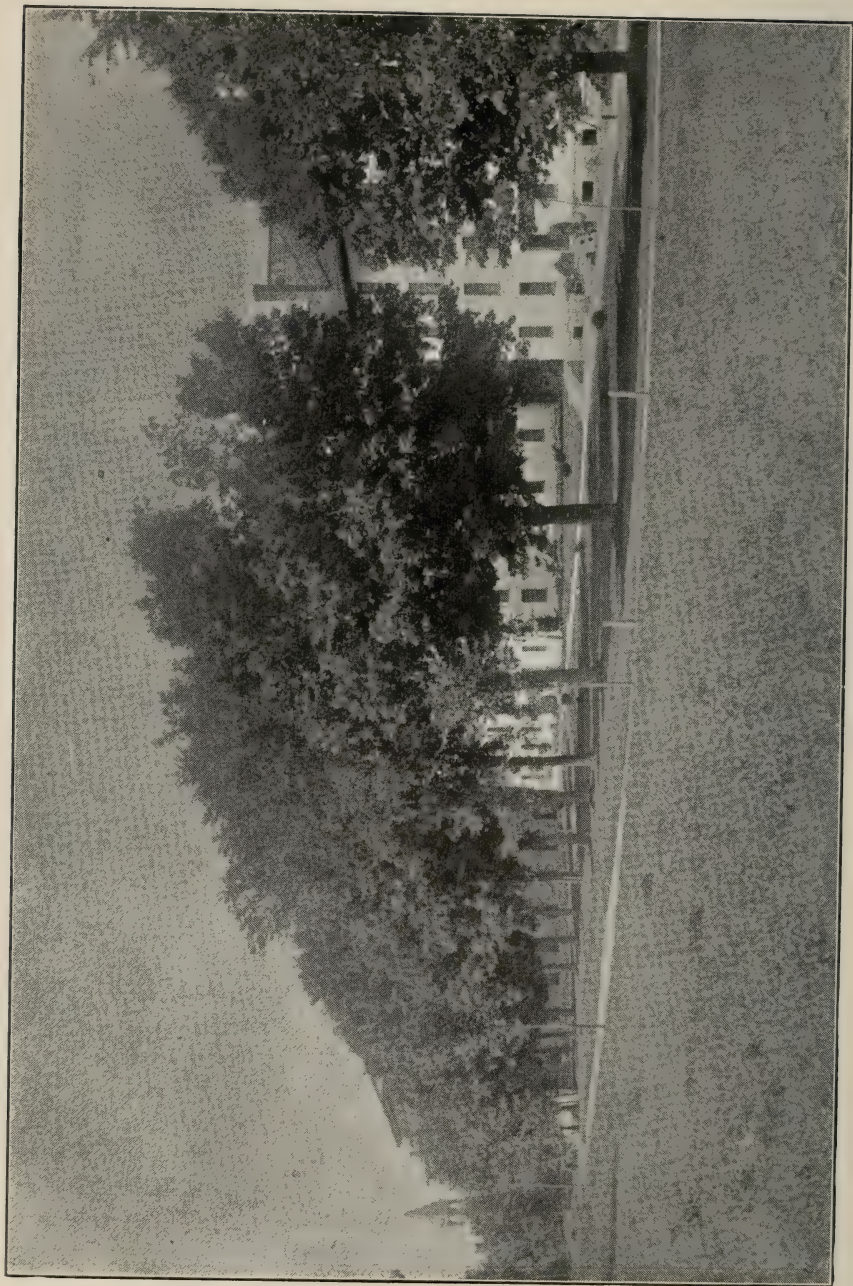
Societies, Religious, 71.

Society for Inquiry, 71.

Socrates, Course on, 16.
 Sophocles, Course in, 16.
 Sophomore Class, Students in, 87.
 Sophomore Latin Prizes, 76 ; Award of, 98.
 Special Courses, Admission to, 58 ; Certificate of Attainments in, 80.
 Special Regulations, 79.
 Standing, How Determined, 79.
 Students. Undergraduate, 82.
 Summary of Students, 93.
Tacitus, Course in, 13
 Terence, Plautus and, Course in, 14.
 Thucydides, Course in, 16.

University, Colgate, Sketch of, 5 ;
 Grounds, 66 ; Library, 67, 68 ; Corporation of, 7 ; Faculty of, 9 ; Calendar, 101.
 University Extension, 61 ; Courses in 62.
West College, 66.
 William Ward Memorial Collection, 69.
Xenophon's Memorabilia, Course in, 16.
Young Men's Christian Association, 71.
Zoology, Courses in, 33.





EATON HALL

ALUMNI HALL

WEST COLLEGE

EAST COLLEGE

COLGATE UNIVERSITY

DEPARTMENT OF

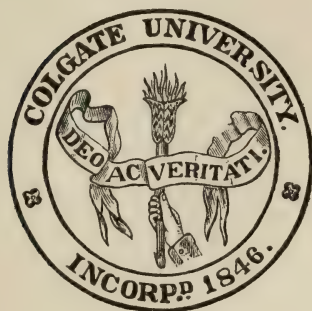
Letters, Science, and Philosophy

ANNUAL CATALOGUE FOR THE YEAR 1893--94

AND

Announcement of Courses of Instruction

FOR THE YEAR 1894--95



COLGATE UNIVERSITY PRESS
HAMILTON, N. Y.

CONTENTS

	PAGE
Colgate University	5
Corporation of Colgate University	7
Officers of the University Corporation	8
Executive Committee	8
Faculty of the University	9
Organization	12
Departments of Instruction	13-42
Department of Latin	13
Greek	15
Semitic Languages	18
English Literature	19
Modern Languages	23
Rhetoric and Public Speaking	26
Mathematics	28
Physics and Astronomy	31
Geology and Natural History	31
Chemistry and Mineralogy	34
History	37
Political Economy	38
History of Art,	38
Philosophy	39
Pedagogy,	40
Requirements for Graduation	43
Synopsis of Courses	44-53
Synopsis of Course I Arts	44
II Letters and Philosophy	48
III Letters and Science	51
Graduate Studies	54
Masters' Degrees	54
Non-resident Graduates	54

	PAGE
Requirements for Admission	55
Admission to Freshman Class	55
Admission to Advanced Standing	58
Admission to Special Courses	59
Entrance Examinations	59
Admission by Certificate	60
University Extension	61
Material Equipment	67
Religious Societies	73
Expenses	74
Resources and Aid	75
The Education Society	76
University Scholarships	76
Prizes	78
Government	83
Regulations Governing Absences	85
Students	86
Summary	99
Commencement Week	100
Commencement Exercises, 1893	101
Degrees and Honors Conferred, 1893	102
Prizes Awarded	104-106
Alumni Association	107
Calendar of Year 1893-94	108
University Calendar	109
Index	112

COLGATE UNIVERSITY

COLGATE UNIVERSITY is the name of the institution which from 1818 to 1846 was known as the Hamilton Literary and Theological Institution, and from 1846 to 1890, as Madison University. It is located at Hamilton, New York. It is the child of the Baptist Education Society of the State of New York, and was originally founded for the purpose of preparing young men for the Christian ministry, being the first school established by Baptists in America distinctively for ministerial education. The first students came early in the year 1818, but the school was not formally opened until May 1st, 1820. The course of study took form gradually, and not until 1829 was it regularly organized to cover four years. In 1832 it was extended to six years, and in 1834 two years more were added. The preparation for the ministry remained the purpose of the Institution for nearly twenty years, but in 1839 it was opened to young men who were looking to other professions.

The Education Society applied for a collegiate charter in 1840, and again in 1843, but failed in both instances because the legislature did not believe that by its constitution it was legally competent to hold and enjoy such powers. In 1846 a third application was successful. A new corporation was formed, and full University powers and privileges were granted. The new body assumed the name of Madison University and entered at once upon educational work of academic and collegiate grade, leaving the theological department as before, in the hands of the Education Society. In 1853 the Grammar School was organized, under the care of the Univer-

sity Board, and in 1875 this preparatory school received the name of Colgate Academy, and entered its own separate building, where it has grown to be a strong and successful institution. In 1886 the Hamilton Theological Seminary also entered a building of its own, known as Eaton Hall, and became possessed of a stronger and more independent life.

There are now, therefore, three schools: the Academy, the College, and the Theological Seminary. All are united under a general administration, although each has its own organization, and each is free to develop its own life and to pursue its own special aims. The purpose of the founders to train young men for the Christian ministry has never been neglected by their successors, and the presence of a theological seminary and of a large number of ministerial students in all the under-graduate departments gives quality to the life of the place. The students of the college have in view a great variety of callings, and its alumni are found in all walks of life. Effort is constantly directed to the broadening and diversifying of the courses of study. The face of the University is turned forward, and there are abundant indications that the receiving of the new name is to mark the beginning of a new period of progress. The name, "Colgate University," though not received till after the death of President Dodge, is really his last gift. The change was approved by the University of the State of New York, March 13th, and by the Supreme Court, April 22d, 1890.

NOTE

For a catalog of Hamilton Theological Seminary, address Rev. H. S. Loyd, D. D., Hamilton, N. Y.

For a catalog of Colgate Academy, address Principal Charles H. Thurber, A. M., Hamilton, N. Y.

CORPORATION OF THE UNIVERSITY

JAMES B. COLGATE, PRESIDENT, New York.

DAVID A. MUNRO, Camillus.

SAMUEL COLGATE, New York.

PROF. P. B. SPEAR, D. D., Hamilton.

REV. EDWARD LATHROP, D. D., New York.

HOSMER H. KEITH, Esq., Sioux Falls, S. Dak.

PROF. ALBERT S. BICKMORE, Ph. D., New York.

JOHN C. HOYT, Esq., Utica.

LEONARD W. CRONKHITE, Sandy Hill.

* EDWARD AUSTEN, Glencoe, Md.

ISAAC JOHNSON, Yonkers.

RUSSEL WHEELER, Utica.

THOMSON KINGSFORD, Oswego.

ISAAC E. GATES, Orange, N. J.

LEWIS E. GURLEY, Troy.

FRANCIS T. PIERCE, Hamilton.

DANIEL W. SKINNER, Hamilton.

GEORGE A. WOOLVERTON, Albany.

JOHN THORN, Utica.

JAMES C. COLGATE, Esq., SECRETARY, New York.

GEORGE L. STEDMAN, Esq., Albany.

REV. HENRY M. SANDERS, D. D., New York.

GARDNER COLBY, Orange, N. J.

JOHN J. JONES, Orange, N. J.

GEORGE W. STEDMAN, Esq., Albany.

REV. ABRAHAM C. OSBORN, D. D., Albion.

* Deceased, December 6, 1893.

Officers of the University Corporation

JAMES B. COLGATE, PRESIDENT.

JAMES C. COLGATE, SECRETARY.

WILLIAM R. ROWLANDS, TREASURER, Hamilton.

Executive Committee

REV. EDWARD LATHROP, D. D., New York.

PROF. ALBERT S. BICKMORE, Ph. D., New York.

JAMES C. COLGATE, Esq., New York.

REV. HENRY M. SANDERS, D. D., New York.

GARDNER COLBY, Orange, N. J.

THE FACULTY

PRESIDENT, AND BLECKER PROFESSOR OF INTELLECTUAL AND MORAL
PHILOSOPHY

PHILETUS BENNETT SPEAR, D.D.,
PROFESSOR EMERITUS OF HEBREW AND LATIN

ALEXANDER McWHORTER BEEBEE, D. D.,
PROFESSOR OF LOGIC

NEWTON LLOYD ANDREWS, PH. D., LL. D.,
PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE,
DEAN OF THE FACULTY

JAMES MORFORD TAYLOR, LL. D.,
PROFESSOR OF MATHEMATICS

WILLIAM HALE MAYNARD, D. D.,
PROFESSOR OF POLITICAL ECONOMY

JOSEPH FRANK MCGREGORY, A. M., F. C. S.,
PROFESSOR OF CHEMISTRY AND MINERALOGY

WILLIAM HENRY CRAWSHAW, A. M.,
PROFESSOR OF ENGLISH LITERATURE

NATHANIEL SCHMIDT, A. M.,
PROFESSOR OF SEMITIC LANGUAGES

ROBERT WEBER MOORE, PH. B.,
PROFESSOR OF FRENCH AND GERMAN

ALBERT PERRY BRIGHAM, A. M.,
PROFESSOR OF GEOLOGY AND NATURAL HISTORY

FERDINAND COURTNEY FRENCH, PH. D.,
PROFESSOR OF PHILOSOPHY

ERNEST FOX NICHOLS, B. S.,
PROFESSOR OF PHYSICS

GEORGE WILLIAM SMITH, A. B., LL. B.,
PROFESSOR OF HISTORY

JOHN GREENE, PH. D.,
PROFESSOR OF LATIN

RALPH WILMER THOMAS, A. M.,
PROFESSOR OF RHETORIC AND PUBLIC SPEAKING
SECRETARY FOR UNIVERSITY EXTENSION.

CHARLES HERBERT THURBER, A. M.,
PROFESSOR OF PEDAGOGY

THOMAS JOSEPH BRYAN, A. B.,
ASSISTANT IN CHEMISTRY

GOVE GRIFFITH JOHNSON, A. B.,
ASSISTANT IN PUBLIC SPEAKING

WILLIAM FRANK WHITE, A. B.,
ASSISTANT IN MATHEMATICS

RALPH WILMER THOMAS, A. M.,
ACTING LIBRARIAN AND REGISTRAR

HERBERT J. SMITH, A. M.,
ASSISTANT LIBRARIAN

MAY FRANCES SMITH,
CATALOGUER IN LIBRARY

ORGANIZATION

Methods and Courses of Instruction in the Several Departments

The organization of the University has been a gradual growth. Beginning in 1818 with one student and one instructor, the work of the institution has been steadily extended until at the present time there are distinctively organized departments giving instruction in Philosophy, History and Political Science, Social Science, Art, Language and Literature, Mathematics, and the Natural Sciences. The officer in charge of each department is alone responsible for its aims and methods, and the efficiency of its work, and while holding certain definite and organic relations to the whole body of instruction, is left independent to seek development in the constant improvement of methods, the enlargement of scope, and the addition of new facilities.

The following is a detailed statement of the methods and courses of instruction of the several departments, prepared by the respective officers. Unless otherwise stated, each course occupies one term.

LATIN

The work of this department is intended to enable the student to read Latin with rapidity and accuracy, and to acquire, through the literature as far as possible, definite ideas of Roman life and culture. In the early part of the course, the essentials of syntax are reviewed and illustrated by exercises in prose composition based on Ciceronian Latin. Those who come so well prepared as not especially to need this work will be allowed under proper oversight to substitute extra reading, such as Cicero's *Brutus*, or *De Officiis*, or selections from the historians.

In the advanced courses, careful attention is given to the development of the language and literature, to the debt of the English language to the Latin tongue, and of all modern literatures to its great classics.

First Year

1. CICERO'S CATO MAJOR AND LÆLIUS. Three hours a week. Prose composition and sight-reading. One hour a week.

M.—W., 11 A. M., F., 10 A. M., Fall Term.

2. CICERO'S LETTERS. Selections from Livy.

Special attention is given to Cicero's character, and his place in history and literature.

Tu.—F., 2:30 P. M., Winter Term.

3. THE ODES OF HORACE. Anecdotes from Gellius at sight.

M.—W., 2:30 P. M., F., 9 A. M., Spring Term.

Second Year

4. SATIRES AND EPISTLES OF HORACE.

The portions selected are grouped about significant topics so as to set the character of Horace, his literary canons, and the customs of his time in as vivid a light as possible.

Selections from Catullus and the Elegiac Poets are also read. Wilkins' Primer of Roman Literature.

M., Tu., 10 A. M., Th., F., 11 A. M., Fall Term.

5. LETTERS OF PLINY. The Agricola and Germania of Tacitus, or selections from his histories. Phædrus at sight.

M.—W., 9 A. M., Winter Term.

6. JUVENAL AND PERSIUS. Selections are made with reference to the light thrown upon Roman Life.

M. —W., 10 A. M., Spring Term.

Third Year

7. The annotation of some suitable portion of a Latin author, including grammatical references, explanatory notes, parallel and illustrative quotations, and experiments in textual criticism. The time in the class room is devoted to a comparison and criticism of the annotations with reference especially, to their brevity, appositeness, and pedagogical value.

W., Th., 10 A. M., Fall Term.

8. PLAUTUS AND TERENCE. Dramatic Fragments. Historical syntax.

W.—F., 11 A. M., Winter Term.

9. SELECTIONS FROM CICERO'S PHILOSOPHICAL WORKS, together with a study in outline of the systems of philosophy prevalent in his time.

W.—F., 1:30 P. M., Spring Term.

This course is given in 1893-94.

In alternate years, a course will be offered in the RHETORIC AND ORATORY OF THE ROMANS. This will include the study of significant passages from the De Oratore of Cicero, and a comparison of the treatment given to the same topics in the Rhetorica ad Herennium, the Dialogus de Oratoribus, and in Quintilian. The purpose of this course is to give a clear idea of the emphasis placed by the Romans upon oratory, of the elements of its power, and the causes of its decline.

GREEK

The ends primarily sought are intellectual discipline and literary culture. The translation of classic masterpieces is regarded as a most efficient means of developing the power of thought and expression, and as tending most surely to the acquisition of a correct and discriminating literary sense. Greek literature is also treated as revealing the peculiar genius of an exceptionally gifted people, who made important and permanent contributions to human civilization. The critical study of their language is deemed valuable, not only for mental training, but as leading up, through a knowledge of their literature and their life, to a just appreciation of the real significance of ancient Greece to the world.

All the courses in the Freshman year, and the work of the Fall Term in the Sophomore year, are prescribed. The courses of the second and third terms Sophomore are elective. Three other elective courses are open either to Juniors or to Seniors, and as the subjects offered are not the same in any two successive years, the study of Greek may be pursued, if desired, in every college term. Lectures upon Greek art are offered to Seniors.

First Year

1. EPIC AND LYRIC POETRY. The *Odyssey* is taken up, or the later books of the *Iliad*. Special attention is given to the place of the Homeric Poems in literature, to the characteristics of the heroic age, and to certain phases of Greek mythology. The work in Homer is followed by selections from the Lyric Poets, regarded as marking a transitional stage in the development of the language, and as illustrating the beginnings of a more subjective, reflective tendency in the Greek mind.

M.—Th., 10 A. M., Fall Term.

2. HERODOTUS AND THUCYDIDES. Portions of these authors are read, with notice in the former of peculiarities of dialect, and in the latter of distinguishing features of style, while

the mode of historical treatment in each is especially considered. Occasion is taken to give the class as clear an outline as possible of the history of the Greeks down to the age of Pericles, with a view of encouraging more extended study.

M., Tu., 10 A. M., Th., F., 9 A. M., Winter Term.

3. **SOCRATES AND HIS AGE.** The reading of Plato's *Apology* of Socrates, or parts of Xenophon's *Memorabilia*, serves for the study of Greek Life in the fifth century before Christ, and of the great personality that was so prominent a figure of the period. Regard is had both to the varied elements in the character of the people, and to the ethical side of Socrates' teachings.

M.—Th., 9 A. M., Spring Term.

Second Year

4. **THE TRAGEDIANS.** Selected tragedies from Æschylus and Sophocles are read, and prelections from other plays are given, in order to secure as large acquaintance as possible with the Greek tragedians. The class prepare essays upon topics related to the study of the Greek drama, and upon Greek literature in general. In these essays, and in the discussions of the class room, the principal Greek authors are treated. In the reading of the dramatists the style and ethical spirit of each is especially considered.

M.—Th., 9 A. M., Fall Term.

5. **EURIPIDES AND ARISTOPHANES.** The earlier part of the term is given to the further study of Greek tragedy, as represented by Euripides. Aristophanes' "Clouds" is then taken up, not simply to enlarge the student's knowledge of the Greek stage, but to afford a fuller comprehension of those complex intellectual and moral movements of the times which are mirrored in the works of Aristophanes. In this course, as in that devoted to tragedy, comparisons will be indicated with the dramatic literature of the modern world. Readings from Lucian may accompany or be substituted for the work in Aristophanes.

M.—W., 9 A. M., Winter Term.

6. THE ORATORS. Demosthenes is studied, either in his Oration on the Crown, or in his Olynthiacs and Philippics. Attention is paid to the principles of oratory illustrated, to the governmental and social conditions favorable to eloquence, and to the distinctive qualities in the leading orators. Illustrative passages from various orators will be given by the professor, or will be assigned for special readings. Methods of legal procedure are considered, the diverse political institutions of the Greek states, and the general course of their later history.

M.—W., 10 A. M., Spring Term.

Third and Fourth Years

7. HELLENISTIC GREEK. The study of this late, but important phase of the language will be pursued by reading in alternate years selections from the Greek New Testament, and selections from the Septuagint. These will be treated on the linguistic side. Opportunity for direct acquaintance with the former is deemed important for every student of Greek, while the latter will be of service to any who contemplate theological study.

Th., F., 11 A. M., Fall Term.

8. PLATO AND ARISTOTLE. The study of these authors in the original will be pursued in alternate years. In Plato the *Phædo* will be read, or selections from his *Republic*; in Aristotle, portions of his *Ethics*. Regard will be had to the literary quality of these writers, but attention will chiefly be given to the subject-matter, with a view to preparing the student to investigate the general course of philosophic thought among the Greeks.

M.—W., 11 A. M., Winter Term.

9. HISTORY OF GREEK PHILOSOPHY. This course will be given in English, and will be offered to all Juniors. The aim will be to trace the progress of philosophic inquiry among the Greeks from Thales to the Neo-Platonists, to estimate its significance, and to show its bearing upon modern thought. A brief manual will be used as the basis of instruction. There will also be lectures by the professor, and essays will be pre-

pared by the class. The seminary method will be used in part, and the students will have access to the best translations, as well as to various historical and critical treatises.

W.—F., 11 A. M., Spring Term.

10. MODERN GREEK. At the convenience of the officer, opportunity is offered to any who may desire it, for some acquaintance with modern Greek.

Time of the exercise to be arranged on the organization of the class.

Semitic Languages

Course 1 is offered to students in the Junior and Senior years. Courses 7 and 13 may be taken by students in the Senior year. Courses 2, 4, 5, 6, 8, 9, 11 and 12 are open only to students who have already taken course 1. Courses 3, 6 and 10 can be elected only by students who have already studied Hebrew and Arabic.

Third or Fourth Year

1. HEBREW: (a) Orthography, Morphology, and Elements of Syntax (Harper); (b) Translation and Study of Genesis; (c) Sight-reading in Deuteronomy and Kings.

T.—F., 9 A. M. Three Terms.

Courses in 1893-1894

(The figures within the marks of parenthesis denote the number of hours per week; the hours are fixed from term to term and announced in the printed schedules of the Seminary.)

2. HEBREW: (a) Prosody (Harper, Kautzsch, Wickes); (b) Interpretation of Job (2) Fall Term; Psalms (2) Winter Term; Zechariah (2) Spring Term.
3. ETHIOPIC: (a) Grammar (Praetorius and Dillmann); (b) Ascensio Isaiae (2) Fall Term.

4. CLASSICAL ARAMAIC (Syriac): (*a*) Grammar (Nestle and Nöldeke); (*b*) Peshitta; (*c*) Specilegium Syriacum (2) Winter Term.
5. ASSYRIAN: (*a*) Grammar (Lyon and Delitzsch); (*b*) Transliterated Texts; (*c*) Cuneiform Inscriptions (2) Spring Term.
6. COMPARATIVE SEMITIC PHILOLOGY: (*a*) General Semitic Grammar (Wright and Nöldeke); (*b*) Comparative Study of the Hebrew, Aramaic, Samaritan, Arabic and Ethiopic Texts of Gen. I–IV (2) Spring Term.
7. SEMITIC HISTORY: Arabia (2) Winter Term.

Courses in 1894-1895

8. HEBREW: Ezekiel (2) Fall Term; Canticles and Ecclesiastes (2) Winter Term; Ezra, Nehemiah and Chronicles (2) Spring Term.
9. ARABIC: (*a*) Grammar (Lansing); (*b*) Arabic Version of the Bible (2) Fall Term.
10. ARABIC (advanced): (*a*) Syntax (Lansing and Caspari); (*b*) the Quran (2) Winter Term.
11. MISHNAIC: (*a*) Grammar (Siegfried and Strack); (*b*) Pesachim (2) Spring Term.
12. PALESTINIAN ARAMAIC: (*a*) Grammar (Brown and Kautzsch); (*b*) Bible and Targums (2) Winter Term.
13. SEMITIC HISTORY: Babylonia and Assyria (2) Fall Term; Syria and Mesopotamia (2) Winter Term; Palestine 1500 B. C.–70 A. D. (2) Spring Term.

English Literature

The objects sought in this department are mainly the following: *First*, a general knowledge of the historical development of the literature; *second*, a particular acquaintance with the great literary periods and with the most prominent authors in each; *third*, an understanding of the principles of literary criticism and of the laws that underlie the various forms of literary

art; *fourth*, a scientific knowledge of the origin and development of the English language. These objects are sought, not merely for their own sake, but as the means of developing a broad culture and a thorough appreciation of a great literature.

First Year

1. CHAUCER. Chaucer is studied as the first great poet of the literature; and selections from his leading works are examined with special reference to their literary characteristics. The course is concluded with a brief survey of the poetry between Chaucer and the age of Elizabeth. The work is open to students who have made no previous study of the language.

Th., F., 9 A. M., Winter Term.

2. ELIZABETHAN LITERATURE. The non-dramatic literature of the age is studied through the masterpieces of representative authors, special attention being given to the chief works of Spenser, Bacon, and Milton. The work is carried on by means of lectures, discussions, and recitations, and is based upon a thorough course of literary, historical, and critical reading. This course and the preceding are made the basis for the study of the fundamental principles of literary art.

M.—F., 3:30 P. M., Spring Term.

Second Year

3. ELIZABETHAN DRAMA. An historical and critical study of the rise, development, and characteristics of the drama in the time of Shakspeare. Certain representative dramas are analyzed and discussed with the class; and others are considered by means of critical essays. The study of the drama is supplemented by a course of collateral reading.

Th., F., 2:30 P. M., Fall Term.

4. SHAKSPERE. A critical study of representative dramas of Shakspeare. Certain dramas are carefully examined by means of lectures. Others are then studied by the class, according to the methods thus illustrated, the several elements of each drama being treated by means of discussions and critical essays

upon various topics. Effort is made to understand and appreciate the dramas studied, and to arrive through them at a better knowledge of Shakspeare's dramatic art and of the principles of dramatic criticism. Part of the course is given to a study of Shakspeare's Sonnets and poems.

M.—W., 2:30 P. M., Fall Term.

5. EIGHTEENTH CENTURY POETRY. A study of poetry from Dryden to Burns. Representative poems are carefully studied; the masterpieces of the most prominent poets are discussed in critical essays; and the development of the poetry of the age through its various phases is investigated. A knowledge of fundamental principles is assumed, and more attention is given to individual characteristics.

M.—W., 2:30 P. M., Winter Term.

6. EIGHTEENTH CENTURY PROSE. The representative prose writers of the century are studied by means of assigned reading, critical essays, and class room discussions; and the development of prose literature is traced. This course is intended to supplement the preceding, the aim of both being to present a comprehensive view of the literature of the age.

Th., F., 2:30 P. M., Winter Term.

7. ROMANTIC POETRY. A study of the poetry of the early part of the nineteenth century. Special attention is given to the works of Wordsworth, Coleridge, Scott, Byron, Shelley, and Keats. The masterpieces of these poets are studied; individual characteristics are noted; the marked changes in the spirit and method of poetry are investigated; and attention is drawn to the relation of these changes to the political, social, and intellectual movements of the age. The general method is similar to that followed in Course 5, except that the student is here encouraged to a freer and more independent study of the facts and principles of literature.

M.—W., 2:30 P. M., Spring Term.

8. NINETEENTH CENTURY PROSE. The prose masterpieces of the present century are studied with reference to their literary value and also to their significance as a revelation of the life of the age. The spirit and method of the course are sim-

ilar to those of Course 7. It is intended to unite with that and the succeeding literary courses in presenting a broad view of the literature of the century.

Th., F., 2:30 P. M., Spring Term.

9. ANGLO-SAXON. Elementary course. The grammar of the language is carefully studied; and special attention is given to acquiring facility in the reading of ordinary Anglo-Saxon prose. The relation of Anglo-Saxon to modern English is constantly emphasized; and the basis is laid for a proper study of the historical development of the English language.

Fall Term, two hours a week.

10. ANGLO-SAXON. Poetry. Some of the most famous of the classical Anglo-Saxon poetry is read, not only for its linguistic interest, but also as a revelation of the life and character of the Anglo-Saxon people. An outline of Anglo-Saxon literature is given; and the beginnings of modern English literature are traced.

Winter Term, two hours a week.

11. ANGLO-SAXON. Beowulf. This old pagan epic is studied as one of the earliest monuments of the English language and literature, and is made the medium for a better understanding of the life and customs of the race before its coming to England.

Spring Term, two hours a week.

12. ANGLO-SAXON. Poetry. This course is similar in its method and purpose to Course 4, and is intended to furnish an opportunity for a fuller knowledge of the Christian poetry of the Anglo-Saxons.

Winter Term, two hours a week.

13. EARLY ENGLISH. From the Norman Conquest to the age of Chaucer. The language is traced through the various stages of its development from Anglo-Saxon to modern English; and observation is made as to the general character of the literature during these centuries of transition. Special attention is given to the English of Chaucer and his contemporaries.

Spring Term, two hours a week.

Third Year

14. PROSE FICTION. The rise, development, and characteristics of the English novel. Works of representative novelists are read, special attention being given to leading novels of Scott, Dickens, Thackeray, and George Eliot. Certain selected novels are treated by means of class essays. Special attention is given, by means of lectures and general discussions, to an examination of the laws of fiction and of the principles of criticism involved.

Th., F., 1:30 P. M., Fall Term.

15. VICTORIAN POETRY. A study of the poetry of Tennyson, Browning, and their contemporaries. Poetical masterpieces are critically studied, as in previous courses; and the leading poets are especially considered as the exponents of the life and thought of the age. Free discussion of the questions involved is especially urged.

M.—W., 1:30 P. M., Fall Term.

16. AMERICAN LITERATURE. Upon the basis of the literary principles determined in previous courses, a study is here made of the general development of American literature, of the characteristics of its various forms and classes, and of the representative works of leading authors in its various departments. Selected masterpieces are treated by means of essays; and authors, works, and literary principles are freely discussed. An historical outline of American literature is given.

M.—W., 1:30 P. M., Winter Term.

Courses 1 and 2 must precede the other literary courses. Students are strongly urged to take elective literary courses in chronological order. Courses 12 and 13 will be given in alternate years with Courses 10 and 11 respectively. The hours of recitation for Courses 9–13 will be arranged on the organization of the class.

Modern Languages

It is the aim of this department: *First*, to give the student a technical knowledge of the German and French languages

sufficient to read their literatures with understanding, ease, and enjoyment, and without translation; *second*, to present to the student the general idea of the literary history of each language with a detailed statement of special important epochs; *third*, by occasional lectures illustrated by the stereopticon, to give the student some idea of the cities, customs, and life, of the people whose language is studied.

GERMAN

First Year

1. Elementary course. Grammar (Whitney's Brief). Practice in pronunciation and in memorizing short selections, systematic drill in grammar, with special reference to syntax. Rapid reading of modern works of fiction including selections from such authors as Hauff, Heyse, Storm and Auerbach. The latter part of the course is given to reading Schiller's "Das Lied von der Glocke," and Goethe's "Hermann und Dorothea," (illustrated by stereopticon views).

W., Th., 10 A. M., F., 9 A. M., Fall Term.

W.—F., 10 A. M., Winter Term.

M., 11 A. M., Th., F., 9 A. M., Spring Term.

Second Year

2. Lessing: "Minna von Barnhelm" and "Nathan der Weise." Lectures on Lessing's work and influence in the regeneration of German literature.

M.—W., 3:30 P. M., Fall Term.

3. Schiller: "Maria Stuart" or "Jungfrau von Orleans," and "Wilhelm Tell." Lectures, accompanied by an extensive collection of stereopticon views, on the important works of Schiller. Essays by the class on topics connected with the reading.

W.—F., 3:30 P. M., Winter Term.

4. Goethe: "Götz von Berlichingen" or "Egmont," and "Torquato Tasso." The Life of Goethe in connection with selections from "Dichtung und Wahrheit." Lectures on Goethe's Work and Influence.

M.—W., 1:30 P. M., Spring Term.

Third Year

5. Goethe's "Faust." Essays on literary and philosophical subjects suggested by the reading. Lectures on Faust, accompanied by an extensive series of stereopticon illustrations.

Tu., W., 2:30 P. M., Fall Term.

Tu., W., 1:30 P. M., Winter Term.

6. An outline of German Literature from the earliest times. Each student is expected to do much outside reading and report on the same to the class. Stereopticon illustrations are used wherever practicable.

M., 2:30 P. M., Fall Term.

M., 1:30 P. M., Winter Term.

M., 9 A. M., Spring Term.

7. Lyric poetry.

Tu., W., 9 A. M., Spring Term.

Courses 2, 3 and 4 are given in alternate years with Courses 5, 6 and 7. Courses 2, 3 and 4 may be expected in 1894-95.

FRENCH

First Year

1. Systematic drill in Grammar, with special reference to syntax, rapid reading of selections from such authors as Souvestre, Mérimée, and Erc Kenann—Chatrian. During the latter part of the course Corneille's "Le Cid" or "Polyeucte," is read.

This course extends through the entire year and is designed as a foundation in acquiring a technical knowledge of the French language, and as an introduction to French literature.

Th. and F., 3:30 P. M., Fall Term.

M. and T., 9 A. M., Winter Term.

Th. and F., 3:30 P. M., Spring Term.

Second Year

2. Molière's "L'Avare" and "Le Tartuffe."
Th., F., 2:30 P. M., Fall Term.
 3. Rousseau's "Le Contrat Social."
M., Tu., 1:30 P. M., Winter Term.
 4. Victor Hugo's "Hernani" and "Ruy Blas."
M., Tu., 10 A. M., Spring Term.
-

Rhetoric and Public Speaking

In the department of Rhetoric and Public Speaking, the following courses are offered. They may be continued throughout the entire undergraduate course.

First Year

1. RHETORIC: A course designed to give the student definite ideas of the elementary principles of the subject, and facility in their application. The work is of a practical character consisting mainly of composition and criticism.
W., 1:30 P. M., Fall Term.
W., 9 A. M., Winter Term.

First and Second Years

2. RHETORIC: The subjects of this course are, style, the theme, the plan, amplification, and reproduction of thought. The members of the class are required to present themes, plans, and exercises. These are criticised with the writers, individually, and selected essays are read before the class.
Th., F., 2:30 P. M., Spring Term, Freshman Year.
Th., F., 3:30 P. M., Fall Term, Sophomore Year.
M., Tu., 10 A. M., Winter Term, Sophomore Year.

3. **ADVANCED RHETORIC:** A study of the subject of invention especially as applied to description, narration, exposition, and argumentation. Selections from standard literary works are studied as illustrations of the principles involved. The members of the class are also required to present selections of their own choice, and to show how such selections illustrate the principles under discussion. Original essays are required and these are freely criticised before the class.

This course is open only to those who have completed Courses 1 and 2.

Th., F., 11 A. M., Winter Term, Junior Year.

Opportunity is given throughout the courses in Rhetoric for students to engage in newspaper work. The Colgate Press Club is allied to the department of Rhetoric. It includes in its membership correspondents of daily and weekly papers and monthly magazines. The theories of newspaper writing are taught in the various courses in Rhetoric; practice is obtained by correspondence submitted to the editors of the various papers represented in the Press Club.

4. **PUBLIC SPEAKING:** Weekly exercises in declamation are required throughout the Freshman and Sophomore years. Students are required during each exercise to use the College Critic's Tablet in the criticism of speakers. Each speaker is freely criticised both by the instructor and by members of the class. At the close of each exercise, the written criticisms are handed to the instructor for revision.

FRESHMEN.

2:30 P. M., Tuesday, Fall Term.

2:30 P. M., Monday, Winter Term.

11 A. M., Friday, Spring Term.

SOPHOMORES.

2:30 P. M., Wednesday, Fall Term.

2:30 P. M., Tuesday, Winter Term.

10 A. M., Friday, Spring Term.

5. **PUBLIC SPEAKING:** Courses on the Composition and Delivery of Orations are continued throughout the Junior year

The principles of this form of composition are studied by means of lectures, and several model orations are analyzed by the class. Original orations are written and are freely criticised.

Instruction is given on the general principles of the delivery of orations.

During the second and third terms, the orations are presented before public audiences. Each production is read and criticised with the author by special appointment, and he receives drill in its delivery previous to his public appearance.

6. PUBLIC SPEAKING: An elective course on the science of public speech. The course includes thorough study and practice in breathing, position and carriage of the body, diaphragmatic action, articulation, pronunciation, expression, emphasis, gesture. This course is accompanied by constant practice and criticism, and is open only to those who have completed Course 4.

Fall Term, Junior Year.

7. PUBLIC SPEAKING: A course in forensics is offered to those students who have completed Courses 4 and 5.

Instruction will be given in the principles of argumentation, and in the public delivery of argumentative addresses.

During the present year the class organized as a legislative body; the rules of procedure adopted were those of the Assembly of the State of New York. Parliamentary forms were observed, bills were introduced, debated, and passed or rejected by vote of the House. This course enables the student to become familiar with the principles of Civil Government and parliamentary procedure, while at the same time, it gives ample opportunity for both prepared and extemporaneous debate.

Mathematics

The courses of study in this department begin with the Freshman year, and may be continued, as required or elect-

ive studies, throughout the entire undergraduate course. The work is conducted by aid of text-books with lectures.

The aim of the instruction is to form habits of accurate and precise expression, and to develop the power of independent and logical thinking as well as to teach the methods and principles of each subject.

First Year

1. GEOMETRY. Solid and Spherical; Exercises in Geometrical Invention and Applications; Theory of Limits.

M.—F., 9 A. M., Fall Term.

2. ALGEBRA. Differentiation of Algebraic, Logarithmic, and Exponential Functions; Development of Functions in Series; Convergency and Summation of Series; Theory and Computation of Logarithms; Permutations, Combinations, and Probability; Theory of Equations.

M.—F., 11 A. M., Winter Term.

3. PLANE TRIGONOMETRY AND SURVEYING. The Theory of the Trigonometric Functions and its application to the solution of plane triangles and to surveying.

M.—F., 11 A. M., Spring Term.

Second Year

4. SPHERICAL TRIGONOMETRY. Napier's Rules and Analogies; Gauss's Equations, and their application to the solution of spherical triangles.

M.—W., 11 A. M., Fall Term, Five Weeks.

5. ANALYTIC GEOMETRY. The Straight Line, the Conic Sections, the General Equation of the Second Degree, and Higher Plane Curves, in Plane Geometry; and the Point, the Straight Line, the Plane, and Surfaces of Revolution, in Solid Geometry.

M.—W., 11 A. M., Fall Term, Nine Weeks.

M.—W., 9 A. M., Winter Term.

6. CALCULUS. Differentiation and Practical Applications, Direct Integration and its Application to the Determination of Areas and Volumes, and the Rectification of Curves; Succes-

sive Differentiation; Evaluation of Indeterminate Forms; Development of Functions in Series; Maxima and Minima.

This course may be elected by any student who has taken the first five courses. While designed to lay the foundation for the subsequent courses in this subject, it is adapted to those also who wish in a short time to gain a clear idea of the methods and problems of the Calculus.

M.—W., 9 A. M., Spring Term.

Third Year

7. CALCULUS. A continuation of Course 6, embracing the remaining subjects in Taylor's Calculus, except the chapter on the Method of Infinitesimals.

M.—W., 10 A. M., Fall Term.

8. CALCULUS. A continuation of Course 7, embracing the Infinitesimal Method and Applications, also the History and Philosophy of the Calculus. Books of reference: the treatises of Williamson, Duhamel, Price, and Bertrand, Bledsoe's Philosophy of Mathematics, and Cajori's History of Mathematics.

W.—F., 10 A. M., Winter Term.

9. DETERMINANTS. Muir's Determinants.

W.—F., 10 A. M., Spring Term.

Fourth Year

10. THEORY OF EQUATIONS. Bünside and Pantón's Theory of Equations.

Th., F., 10 A. M., Fall Term.

11. QUATERNIONS. Hardy's Quaternions. Books of reference: the treatises of Tait, and Kelland and Tait.

Th., F., 9 A. M., Winter Term.

Physics and Astronomy

First Year

COURSE I. GENERAL PHYSICS: conducted by the aid of a text and with lectures and experimental demonstration of important principles. Course I is intended to give students a clear notion of the methods of scientific study and a familiarity with the fundamental laws underlying physical phenomena.

Winter Term, M.—W., 11 A. M.—Mechanics.

Spring Term, W.—F., 11 A. M.—Electricity and Magnetism.

Second Year

COURSE I (continued).

Fall Term, M.—W., 11 A. M.—Heat, Sound, and Light.

COURSE II. LABORATORY WORK. Two hours a week, Winter and Spring Terms.

Th., F., 2:30 P. M., Winter Term.

M., Tu., 1:30 P. M., Spring Term.

The purpose of this course is to give students insight into methods and apparatus used in making physical measurements and includes quantitative experiments performed by the student in mechanics, sound, heat, light, and electricity. Course I necessarily precedes this course and students are strongly advised to prepare themselves in analytic geometry and the calculus before taking up the laboratory work.

Third Year

COURSE III. GENERAL ASTRONOMY.

M.—F., 9 A. M., Fall Term.

Geology and Natural History

The courses in this department are designed to give such knowledge of the several subjects, as a scheme of general edu-

cation requires. It will be seen also that the geological courses are so arranged as to give two years of continuous work to those who may wish to teach geology or pursue it as a profession. To arouse interest in nature, to teach the art of rapid and accurate observation, and skill in reasoning from cause to effect and effect to cause, are held to be equally important to the general and the special student of natural science. The instruction is given by lectures. Text-books for supplementary reading are required, with oral and written reviews. Much attention is given to the literature of the subjects, and habits of independent investigation are fostered. The significant questions which subjects in natural history raise at the present time will receive such discussion as may be suitable. Hours for laboratory and field work are arranged after the organization of classes.

GEOLOGY

First Year

1. DYNAMICAL GEOLOGY.—The lectures treat of the applications of energy in the making of the earth. The relations of our planet to the sun and other celestial bodies, the chemical and mechanical work of the atmosphere, the effects of water in rivers, lakes, oceans, subterranean channels and glaciers form the earlier subjects of the course. The igneous forces are then studied, as seen in volcanoes, earthquakes, mountain making, and the development of continents. Several lectures are given on the geological work of organisms. The course deals particularly with the development of geographic forms, the evolution of scenery and the effects of geological forces upon the course of human history. Four half-day excursions are made, for the study of the surface geology in the vicinity of Hamilton. The larger manuals of Dana or Le Conte are required in this and subsequent geological courses.

W.—F., 10 A. M., Fall Term.

2. LITHOLOGICAL AND STRUCTURAL GEOLOGY.—This course begins with an elementary study of the principal kinds of rocks. The lectures then deal with structural forms, such as

stratified, tilted, faulted and folded rocks, dikes, lava sheets, mineral veins, the general form of the earth, the structure and topography of continents and mountains, as determined by upheaval and general erosion.

Tu., W., 2:30 P. M., Winter Term.

3. HISTORICAL GEOLOGY.—An elementary course with special reference to students who wish a general understanding of the succession of events in geological time. Among the special topics are: The climate, geography, plants, and animals of the various periods; economical products important in special formations, as fuels, pigments, ores, mineral waters, salt, pottery clays and building materials; geological time; the last glacial period; the antiquity of man, and the history of geological science. The course requires four field excursions, the accessible localities affording the best opportunities for beginning the study of historical geology.

W.—F., 10 A. M., Spring Term.

Second Year

4. PALÆONTOLOGY.—A study of fossil organisms, their manner of preservation, their value as a geological record, their systematic relations and succession in time. The appearance and extinction of great groups, and probable ancestry of existing forms are treated, with a critical study of evolution. The history and present state of opinion, and the factors of evolution are made themes for careful discussion. Laboratory work two hours each week. Courses 3 and 7 are required in preparation. Three hour course.

Th., F., 2:30 P. M., Fall Term.

5. ADVANCED PALÆONTOLOGY.—A course in research upon some group of fossil forms, with library and laboratory work and the preparation of a thesis; may be taken as a three or five hour course, with laboratory work four or seven hours a week.

Winter Term.

6. ADVANCED HISTORICAL GEOLOGY.—The special study of some Paleozoic horizon near Hamilton. This is mainly a

course in field work, with attention to stratigraphy, geographic distribution, and characteristic fossils. To those who prefer, problems in the glacial geology of Central New York may be assigned. This course will include instruction in the history and methods of geological surveying; may be taken for three or five hours.

Spring Term.

7. ZOÖLOGY.—This course deals with elementary biology, the principles of classification, and the general morphology of the principal groups of animals. The invertebrates will receive chief attention, with concluding lectures on the vertebrates. The course is designed to give such general knowledge of the animal kingdom as all educated persons should have. Laboratory work, two hours a week. Packard's Zoölogy required for reference. Junior elective, three hour course.

Th., F., 10 A. M., Winter Term.

8. BOTANY.—The aim of this course is like that of (7). The structure and classification of plants, their distribution and economic uses are treated, with attention to the determination of the flowering plants. Laboratory, two hours a week. Gray's Structural Botany and Manual are required. Junior elective, three hour course.

M., T., 10 A. M., Spring Term.

Chemistry and Mineralogy

The aim of this department is to give instruction in the fundamental principles of scientific study, and especially, to give the student thorough training in habits of accuracy and observation. The work of Course 1 is conducted in the class room by means of a text-book with experimental lectures. The remainder of the work is done in the laboratory, which is equipped with all the apparatus necessary for the successful study of analytical chemistry.

First Year

1. GENERAL CHEMISTRY. A course for beginners, extending through the non-metallic elements.

About one half the time is occupied with experimental lectures, the remainder being devoted to recitations and frequent written examinations. This course is required of all students in college and for entrance to Course 3.

W.—F., 2:30 P. M., Winter Term.

M., Tu., 2:30 P. M., Spring Term.

Second Year

2. ANALYTICAL CHEMISTRY. A course in Qualitative Analysis, including the determination of simple inorganic substances, both in solution and by Blowpipe Analysis. The work in the laboratory is supplemented by a course of lectures on the metallic elements.

M.—F., 3:30—5:30 P. M., Fall Term.

3. ANALYTICAL CHEMISTRY. A continuation of Course 2 including the various methods employed for the qualitative separation of the metals. A supplementary course of lectures on some of the more important chemical theories and molecular forces will be given.

M.—F., 3:30—5:30 P. M., Winter Term.

4. ANALYTICAL AND ORGANIC CHEMISTRY. This includes the study of some of the rarer elements and of the qualitative determination of minerals, together with a short course of lectures on Organic Chemistry.

M.—F., 3:30—5:50 P. M., Spring Term.

Third Year

5. ANALYTICAL CHEMISTRY. A course in Quantitative Analysis occupying two terms. It is the aim of this course to make the student familiar with all the important quantitative determinations and separations of the elements, and to this end the different methods, gravimetric, volumetric, and electrolytic, are employed.

M.—F., 3:30—5:30 P. M., Fall and Winter Terms.

6. ANALYTICAL AND APPLIED CHEMISTRY. This follows the general course in Quantitative Analysis and includes the analysis of minerals and some of the simpler courses in Technical Analysis. The exhaustive study of these subjects is not attempted, the aim being to give the general methods of work in each.

M.—F., 3:30—5:30 P. M., Spring Term.

7. MINERALOGY. This is offered to any student in the Senior class, who has pursued or is pursuing a course in Qualitative Analysis. The work is conducted by means of lectures, with occasional examinations upon the same. The first part of the term is devoted to crystallography, and the remainder to the study of the physical and chemical properties of minerals and their determination.

M.—W., 2:30 P. M., Fall Term.

8. MINERALOGY. To those wishing to continue the preceding course, practical work is offered to a limited number of students, the aim being to teach the use of instruments and general methods of mineralogical work.

Th., F., 1:30—3:30 P. M., Winter Term.

Fourth Year

9. SPECIAL ANALYTICAL CHEMISTRY. For students in Course 3 and for special students. This follows Course 6 in Analytical Chemistry and is intended for the more exhaustive study of the work there offered, as well as to teach methods of original work.

M.—F., 3:30—5:30 P. M., Fall Term.

10. ORGANIC CHEMISTRY. The course extends through two terms. The different methods of ultimate organic analysis are taught, as well as the methods of building up compounds synthetically. Subsequently, original work in the formation and investigation of compounds may be undertaken.

M.—F., 3:30—5:30 P. M., Winter and Spring Terms.

Each of the above laboratory courses is a full equivalent of a five hour a week elective study, each student being required to work two hours a day for five days each week.

History

In the department of History the following courses are offered:

First Year

COURSE 1. A study of prehistoric man and the earliest institutions.

M.—W., 1:30 P. M., Fall Term.

COURSE 2. Political and Institutional History of Rome.

W.—F., 1:30 P. M., Winter Term.

COURSE 3. Mediæval History.

M.—W., 3:30 P. M., Spring Term.

COURSE 4. Institutions of the Middle Ages.

Th.—F., 9 A. M. Spring Term.

Second Year

COURSE 5. The Renaissance and the Reformation.

M.—W., 11 A. M., Fall Term.

COURSE 6. English History; the Stuart Period.

Th. and F., 10 A. M., Fall Term.

COURSE 7. The French Revolution.

M.—F., 2:30 P. M., Winter Term.

COURSE 8. American History; Colonial Period, and War of Independence.

M.—W., 9 A. M., Spring Term.

COURSE 9. Nineteenth Century History.

Th., F., 2:30 P. M., Spring Term.

Courses 1–4 are offered to members of the Senior and Junior classes; Courses 5–9 to members of the Senior class only. Courses 3 and 8 will be given mostly by lectures, with frequent oral and written examinations. Courses 4, 7 and 9 will be conducted in part according to the seminary method. In the other courses the method will be that of a text-book supplemented

by lectures. A few lectures on the Philosophy of History and occasional lectures on topics of current interest will be given to both classes during the year.

Political Economy

1. POLITICAL ECONOMY. Daily recitations from Walker's Political Economy, supplemented by lectures and discussions. The text furnishes to the student a clear statement of principles. Then, by questions, by drawing the student into discussions, by encouraging him to express his difficulties freely, the instructor endeavors to fix principles, and to direct attention to their practical working in concrete cases.

Th., F., 11 A. M., Fall Term.

M.—W., 11 A. M., Winter Term.

2. CONTEMPORARY SOCIALISM. The views of the most prominent living socialists are brought before the class by means of lectures, discussions, and criticisms.

M., Tu., Spring Term.

The hour of exercise is determined after the organization of the class.

History of Art

In the Senior year instruction is given in the History of Architecture and Sculpture. The hand-books used by the student are largely supplemented with lectures, illustrated by a copious collection of slides and photographs. In these illustrated lectures a calcium light stereopticon is employed. Special attention is given to the origin and development of Greek Architecture. Its connection with earlier styles, particularly with the Assyrian and Egyptian, are noted, and the modifications and additions made by the Romans are also

traced. Gothic and Renaissance Architecture are likewise treated. An attempt is made to give some accurate acquaintance with the masterpieces of ancient sculpture, to show the relation between classical and mediæval art, and to bring out those principles which gave to the plastic art of the Greeks its enduring preëminence as the standard of taste.

Th., F., 2:30 P. M., Fall Term

Th., F., 3:30 P. M., Winter Term.

NOTE—The instruction in this subject is given by Professor Andrews.

Philosophy

Junior Year

1. LOGIC. It is the object of this department to give the student a thorough knowledge of the subject, embracing both Formal and Applied Logic. The nature, sphere, limitations, and applications of principles are defined and illustrated. To make the study a discipline, and to secure, as far as possible, practical results, the student, during the last half of the term, is subjected to a daily analysis of arguments and fallacies in a manner not only to compel a knowledge of principles and methods, but to induce correct habits of thinking.

M.—F., 9 A. M., Fall Term.

2. PSYCHOLOGY. Text-book: Baldwin's "Elements of Psychology."

M.—W., 9 A. M., Winter Term.

M.—W., 9 A. M., Spring Term.

3. HISTORY OF GREEK PHILOSOPHY. (Courses 8 and 9 in department of Greek.)

Senior Year

4. ETHICS. Text-book: Andrews' "Syllabus of the Elements of Ethics."

M.—W., 10 A. M., Fall Term.

5. EVIDENCES OF CHRISTIANITY. Text-book: Bruce's "Apologetics."

Th., F., 11 A. M., Winter Term.

6. HISTORY OF MODERN PHILOSOPHY. Falckenberg's "History of Modern Philosophy" is used as a basis of study. Considerable time is given to reading selected portions of the works of representative philosophers.

M.—W., 3:30 P. M., Fall Term.

M.—W., 10 A. M., Winter Term.

W.—F., 10 A. M., Spring Term.

7. HISTORY OF ETHICS. Text-book: Sidgwick's "History of Ethics."

Th., F., 3:30 P. M., Fall Term.

8. ADVANCED ETHICS. A critical study of the works of recent moralists.

Th., F., 10 A. M., Winter Term.

M., Tu., 10 A. M., Spring Term.

In all the courses of the department the text-book is used only as a basis of instruction and is supplemented by lectures, discussions and essays. Courses in philosophical reading under the supervision of the professor will be arranged to meet the wants of individual students.

Pedagogy

Education is so universal an interest that a college curriculum might well include its history and theory, without reference to their practical applications; but in view of the hopeful growth of a professional spirit among teachers, and of the fact that positions in secondary schools and colleges are supplied from the ranks of college graduates who, for the most part, have not enjoyed a special normal school training, there exists a stronger reason than this general interest for the existence of college courses in pedagogy. It is the province of

such courses to point out the development of the human mind; to suggest the best ways of sharing in that development, and to give a wide outlook over previous experiments in education—in short, to present the work of the teacher in those historical, scientific, and ethical relations which alone give it its right significance.

That it is important to combine with this more theoretical training the greatest possible amount of practical experience in schools is universally recognized. In this important respect the department of pedagogy has peculiar advantages through the presence on the University grounds of a large and successful academy which gives students in the department an opportunity for direct contact with school work that will be utilized in every practicable way.

The courses in pedagogy are elective, being open in general to Seniors, and in some cases to special students. Students taking these courses must preferably have already had the general course in psychology, or they may take it at the same time with the courses in pedagogy. In connection with the class room exercises, practical and experimental work will be systematically pursued. This will consist in attendance at the regular class exercises in Colgate academy, or some other easily accessible school. Occasionally classes in Colgate academy will be placed in charge of a member of the class in pedagogy. The following courses are offered:

1. HISTORY OF EDUCATION, with reference to the ideal conceptions of manhood and womanhood that have prevailed at various times and among various peoples and the methods employed and proposed to realize them. Lectures, reports and conferences. Three hours' course, two hours in class, one hour in practical and experimental work.

M.—T., 2:30 P. M., Fall Term.

2. INSTITUTES OF EDUCATION: an attempt to formulate a rational theory of education to the end that education may be made to conform to the nature of children and youth. Three hours' course, two hours in class, one hour in practical and experimental work.

M., T., 3:30 P. M., Winter Term.

3. SCHOOL ORGANIZATION AND MANAGEMENT, AND METHODS OF TEACHING SUBJECTS IN SECONDARY SCHOOLS. Lectures on modern school systems, the training of teachers, school discipline, etc. In addition, lectures may be expected from various members of the faculty, treating of the place of their several specialties in the school curriculum, and of the methods and appliances for teaching the same.

M.—W., 10 A. M., Spring Term.

4. CRITICAL READING OF EDUCATIONAL CLASSICS. In 1895-96, Locke's *Thoughts on Education*. In 1894-5, Rousseau's *Émile*. One hour a week, winter term. Time to be arranged with the class.

5. SEMINARY THROUGHOUT THE YEAR, two hours by appointment, every other week, counting as one hour course. 1894-5, Contemporary School Systems; 1895-6, Unsettled Problems in Education.

The Laurie Club, an organization composed of the members of the classes in pedagogy, the professors in the several departments of the University, and the teachers of Hamilton and vicinity, holds semi-monthly meetings for the discussion of current questions of importance in the field of education. These meetings are held during the winter months. The club holds occasional public meetings at which an address is usually delivered by some one not connected with the University.

Requirements for Graduation

The Bachelors' Degrees

The University provides three distinct and parallel courses of instruction leading to the Bachelors' Degrees:

1. The COURSE IN ARTS, requiring Latin and Greek for matriculation, and leading to the degree of Bachelor of Arts.

2. The COURSE IN LETTERS AND PHILOSOPHY, requiring Latin or Greek, and German or French for matriculation, and leading to the degree of Bachelor of Philosophy.

3. The COURSE IN LETTERS AND SCIENCE, requiring certain scientific subjects, with French and German, or two years' study of Latin and one year's study of French or German, for matriculation, and leading to the degree of Bachelor of Science.

These several courses extend over four undergraduate years, and consist of prescribed and elective studies in Language and Literature, Mathematics, Natural Science, History and Political Science, Art, and Philosophy. Each student is required to have not less than seventeen hours of work per week, except during the third term of the Senior year, when only twelve are required. In Courses 1 and 2 all the work of the first four terms is prescribed, and fourteen hours of the fifth and sixth terms. In Course 3 all the work of the first two years is prescribed. In the Junior year, Courses 1 and 2 have in the first term seven hours of prescribed work, and Course 3 has thirteen hours prescribed. During the remainder of the Junior year, and the first two terms of the Senior year, all the courses have only five hours of prescribed work. In the last term of the Senior year all the subjects are elective.

A synopsis of the several undergraduate courses follows.

COURSES OF STUDY

Synopsis of Requirements for Bachelors' Degrees

I. COURSE IN ARTS

For the Degree of Bachelor of Arts

Freshman Year

LATIN: [Courses 1-3.] Cicero, Livy, Odes of Horace.
Three terms, four hours a week.

GREEK: [Courses 1-3.] Homer, Herodotus, Plato's Apology of Socrates.
Three terms, four hours a week.

FRENCH: [Course 1.] Systematic drill in grammar with special reference to syntax. Rapid reading. Lectures introductory to the course in French literature.
Three terms, two hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry and Surveying.
Fall and Winter Terms, five hours a week.
Spring Term, four hours a week.

RHETORIC: [Course 1.] Fall and Winter Terms, one hour a week.
[Course 2.] Spring Term, two hours a week.

PUBLIC SPEAKING: Three terms, one hour a week.

Sophomore Year

LATIN: [Courses 4-6.] Satires and Epistles of Horace, and the Elegiac Poets; Letters of Pliny, Agricola and Germania of Tacitus; Selections from Juvenal and Persius.
Fall Term, four hours a week.
Winter and Spring Terms, three hours a week (elective).

GREEK: [Courses 4-6.] Æschylus and Sophocles; Euripides and Aristophanes; Demosthenes on the Crown.

Fall Term, four hours a week.

Winter and Spring Terms, three hours a week (elective).

GERMAN: [Course 1.] Elementary drill in grammar and Reader. General introduction to the courses in German literature.

Three terms, three hours a week.

MATHEMATICS: [Courses 4-6.] Spherical Trigonometry, Analytic Geometry, Calculus.

Fall Term, three hours a week.

Winter and Spring Terms, three hours a week (elective).

RHETORIC: [Course 2.] Style and Invention.

Fall and Winter Terms, two hours a week.

ENGLISH LITERATURE: [Courses 1 and 2.] Chaucer; Elizabethan literature.

Winter Term, two hours a week.

Spring Term, five hours a week.

PHYSICS: [Course 1.] Mechanics; Electricity and Magnetism.

Winter and Spring Terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, elementary course.

Winter Term, three hours a week.

Spring Term, two hours a week.

PUBLIC SPEAKING: Three terms, one hour a week.

Junior Year

PHILOSOPHY: [Course 1.] Logic, Formal and Applied.

Fall Term, five hours a week.

[Course 2.] Psychology.

Winter and Spring Terms, three hours a week.

PUBLIC SPEAKING: Orations by appointment throughout the year.

Equivalent to a two hours' course for three terms.

ELECTIVE STUDIES: In addition to the prescribed studies, each student must elect other work to occupy not less than ten hours a week in the Fall Term, and twelve hours a week in the Winter and Spring Terms. The elective courses open to Juniors are the following:

over

FALL TERM. Latin: Annotation of some author. Greek:
² New Testament. Hebrew. English literature: Elizabethan Drama; Shakspeare; Anglo-Saxon. German: Lessing. French: Molière. Mathematics: Calculus. Physics: Heat, Sound, and Light. Geology³. Analytical Chemistry. History: Course 1. Public Speaking.

WINTER TERM. Latin: Plautus and Terence. Greek: Plato or Aristotle. Hebrew. English literature: Romantic Poetry; Nineteenth Century Prose; Early English. Rhetoric: Advanced course. German: Schiller. French: Rousseau. Mathematics: Calculus. Physics: Laboratory Work. Geology³. Zoölogy². Analytical Chemistry. History: Course 2.

SPRING TERM. Latin: Cicero's philosophical works. Hebrew. English literature: Romantic Poetry; Nineteenth Century Prose; Early English. German: Goethe. French: Victor Hugo. Mathematics: Determinants. Physics: Laboratory Work. Geology³. Botany. Analytical Chemistry. History: Courses 3 and 4. History² of Greek Philosophy.

NOTE. Juniors may take any elective offered to Sophomores, if the hour does not conflict with their own prescribed work.

Senior Year

PHILOSOPHY: [Courses 4 and 5.] Ethics; Evidences of Christianity.
 Fall Term, three hours a week.
 Winter Term, two hours a week.

POLITICAL ECONOMY: Walker. Lectures, Discussions.
 Fall Term, two hours a week.
 Winter Term, three hours a week.

ELECTIVE STUDIES: In addition to the prescribed studies of the Fall and Winter Terms, each student must elect other work to occupy not less than twelve hours a week. The work of the Spring Term is entirely elective, and each student must take subjects amounting to not less than twelve hours a week. The elective courses offered to Seniors are the following:

FALL TERM. Hebrew. Arabic. Semitic History: Babylonia and Assyria. English literature: Victorian Poetry; Prose Fiction. German: Goethe's Faust; History of German literature. Debates. Mathematics: Theory of Equations. Astronomy. Palæontology. Analytical Chemistry. Mineralogy. History: Courses 5 and 6. History of Art. History of Modern Philosophy.³ History of Ethics.² Pedagogy.²

WINTER TERM. Hebrew. Arabic. Palestinian Aramaic. Semitic History: Syria and Mesopotamia. American literature. German: Goethe's Faust; History of German literature. Debates. Mathematics: Quaternions. Advanced Palæontology. Analytical Chemistry. Mineralogy. History: Course 7. History of Art. History of Modern Philosophy.³ Advanced Ethics. Pedagogy.²

SPRING TERM. Hebrew. Mishnaic. Semitic History: Palestine. German: Lyric Poetry; History of German literature. Debates. Advanced Historical Geology. Analytical and Applied Chemistry. History: Courses 8 and 9. History of Modern Philosophy.³ Advanced Ethics. Pedagogy.²

NOTE. Seniors may take any elective offered to Juniors or Sophomores, if the hour does not conflict with their own prescribed work.

II. COURSE IN LETTERS AND PHILOSOPHY

For the Degree of Bachelor of Philosophy

Freshman Year

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry. Algebra, Plane Trigonometry and Surveying.

Fall and Winter Terms, five hours a week.

Spring Term, four hours a week.

RHETORIC: [Course 1.] Fall and Winter Terms, one hour a week.

[Course 2.] Spring Term, two hours a week.

PUBLIC SPEAKING: Three terms, one hour a week.

LATIN: [Courses 1-3.] Cicero, Livy, Odes of Horace.

Three terms, four hours a week.

or

GREEK: [Courses 1-3.] Homer, Herodotus, Plato's Apology of Socrates.

Three terms, four hours a week.

FRENCH: [Course 1.] Systematic drill in grammar, with special reference to syntax. Rapid reading. Lectures introductory to the course in French literature.

Three terms, two hours a week.

or

GERMAN: [Course 1.] Elementary drill in grammar and Reader. General introduction to the courses in German literature.

Three terms, three hours a week.

GERMAN: [Courses 2-4.] Lessing, Schiller, Goethe.

Three terms, three hours a week.

or

FRENCH: [Courses 2-4.] Molière, Rousseau, Victor Hugo.

Three terms, two hours a week.

Sophomore Year

MATHEMATICS: [Courses 4-6.] Spherical Trigonometry, Analytic Geometry, Calculus.

Fall Term, three hours a week.

Winter and Spring Terms, three hours a week (elective).

LATIN: [Courses 4-6.] Satires and Epistles of Horace, and the Elegiac Poets; Letters of Pliny, Agricola and Germania of Tacitus; Selections from Juvenal and Persius.

Fall Term, four hours a week.

Winter and Spring Terms, three hours a week (elective).

or

GREEK: [Courses 4-6.] Æschylus and Sophocles; Euripides and Aristophanes; Demosthenes on the Crown.

Fall Term, four hours a week.

Winter and Spring Terms, three hours a week (elective).

FRENCH: [Course 2.] Molière.

Fall Term, two hours a week.

or

ENGLISH LITERATURE: Special course in reading.

Fall Term, two hours a week.

GERMAN: [Courses 2-4.] Lessing, Schiller, Goethe.

or [Courses 5-7.] Goethe's Faust, Lyric Poetry, Lectures on History of German literature.

Fall and Winter Terms, three hours a week.

Spring Term, three hours a week (elective).

ANGLO-SAXON: Fall Term, two hours a week.

RHETORIC: [Course 2.] Style and Invention.

Fall and Winter Terms, two hours a week.

ENGLISH LITERATURE: [Courses 1 and 2.] Chaucer; Elizabethan literature.

Winter Term, two hours a week.

Spring Term, five hours a week.

PHYSICS: [Course 1.] Mechanics, Electricity and Magnetism.

Winter and Spring Terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, elementary course.

Winter Term, three hours a week.

Spring Term, two hours a week.

PUBLIC SPEAKING: Three terms, one hour a week.

Junior Year

PHILOSOPHY: [Course 1.] Logic, Formal and Applied.

Fall Term, five hours a week.

[Course 2.] Psychology.

Winter and Spring Terms, three hours a week.

PUBLIC SPEAKING: Orations by appointment throughout the year.

Equivalent to a two hours' course for three terms.

*ELECTIVE STUDIES: In addition to the prescribed studies, each student must elect other work to occupy not less than ten hours a week in the Fall Term, and twelve hours a week in the Winter and Spring Terms.

Senior Year

PHILOSOPHY: [Courses 4 and 5.] Ethics; Evidences of Christianity.

Fall Term, three hours a week.

Winter Term, two hours a week.

POLITICAL ECONOMY: Walker. Lectures, Discussions.

Fall Term, two hours a week.

Winter Term, three hours a week.

†ELECTIVE STUDIES: In addition to the prescribed studies of the Fall and Winter Terms, each student must elect other work to occupy not less than twelve hours a week. The work of the Spring Term is entirely elective, and each student must take subjects amounting to not less than twelve hours a week.

* The elective studies are given in full under the Course in Arts, and each student will select such studies as he is prepared to take.

† The elective studies are given in full under the Course in Arts, and each student will select such studies as he is prepared to take.

III. COURSE IN LETTERS AND SCIENCE

For the Degree of Bachelor of Science

Freshman Year

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry, and Surveying.

Fall and Winter Terms, five hours a week.

Spring Term, four hours a week.

GERMAN: [Courses 2-4.] Lessing, Schiller, Goethe.

Three terms, three hours a week.

FRENCH: [Courses 2-4] Molière, Rousseau, Victor Hugo.

Three terms, two hours a week.

CHEMISTRY: [Courses 2-4.] Analytical Chemistry, Qualitative Analysis, Lectures.

Three terms, five hours a week.

RHETORIC: [Course 1.] Fall and Winter Terms, one hour a week.

[Course 2.] Spring Term, two hours a week.

PUBLIC SPEAKING: Three terms, one hour a week.

Sophomore Year

MATHEMATICS: [Courses 4-6.] Spherical Trigonometry, Analytic Geometry, Calculus.

Three terms, three hours a week.

GERMAN: [Courses 5 and 6.] Goethe's Faust, Lectures on History of German literature.

Fall and Winter Terms, three hours a week.

ANGLO-SAXON: Fall Term, two hours a week.

GEOLOGY AND ZOÖLOGY: Dynamical Geology, Zoölogy, Historical Geology.

Three terms, three hours a week.

RHETORIC: [Course 2.] Style and Invention.

Fall and Winter Terms, two hours a week.

FRENCH: [Courses 2 and 4.] Molière, Victor Hugo.

Fall and Spring Terms, two hours a week.

or

ENGLISH LITERATURE: Special course in reading.

Fall and Spring Terms, two hours a week.

PHYSICS: [Course 1.] Mechanics; Electricity, and Magnetism.

Winter and Spring Terms, three hours a week.

ENGLISH LITERATURE: [Courses 1 and 2.] Chaucer; Elizabethan literature.

Winter Term, two hours a week.

Spring Term, five hours a week.

PUBLIC SPEAKING: Three terms, one hour a week.

Junior Year

PHYSICS: [Course 1 continued.] Heat, Sound, and Light.

Fall Term, three hours a week.

MATHEMATICS: [Course 7.] Calculus continued.

Fall Term, three hours a week.

PHILOSOPHY: [Course 1.] Logic, Formal and Applied.

Fall Term, five hours a week.

[Course 2.] Psychology.

Winter and Spring Terms, three hours a week.

PUBLIC SPEAKING: Orations by appointment throughout the year.

Equivalent to a two-hours' course for three terms.

* ELECTIVE STUDIES: In addition to the prescribed studies, each student must elect other work to occupy not less than four hours a week in the Fall Term, and twelve hours a week in the Winter and Spring Terms.

* The elective studies are given in full under the Course in Arts, and each student will select such studies as he is prepared to take.

Senior Year

PHILOSOPHY: [Courses 4 and 5.] Ethics; Evidences of Christianity.
Fall Term, three hours a week.
Winter Term, two hours a week.

POLITICAL ECONOMY: Walker. Lectures, Discussions.
Fall Term, two hours a week.
Winter Term, three hours a week.

* ELECTIVE STUDIES: In addition to the prescribed studies of the Fall and Winter Terms, each student must elect other work to occupy not less than twelve hours a week. The work of the Spring Term is entirely elective, and each student must take subjects amounting to not less than twelve hours a week.

* The elective studies are given in full under the Course in Arts, and each student will select such studies as he is prepared to take.

GRADUATE STUDIES

I. Master's Degrees on Examination

The Faculty will recommend for the degree of Master of Arts, Master of Philosophy, or Master of Science, candidates who have received the corresponding Bachelor's degree from this or any other approved college, and who shall have pursued a course of advanced non-professional study equivalent to an additional year of college work. Such a course shall consist of a major and a minor subject to be taken in different, but related, departments. Satisfactory examinations must be passed in these studies and a thesis presented on some topic within the field of the major subject. The plan of study must be submitted to the Faculty by October 1st, the subject of the thesis by December 1st, and the thesis itself by May 15th of the year in which the candidate expects to take the degree. Resident graduates giving their full time to the work may be recommended for the degree after one year of study. Non-resident graduates and resident graduates giving only a portion of their time to this work will not be recommended under two years. A copy of the thesis must be deposited in the University Library.

II. Master's Degrees in Course

The conferring of the degree of Master in course will be discontinued after the Commencement of 1896.

Until 1896 the Faculty will recommend for the degree of Master of Arts, or Master of Philosophy, graduates of Colgate University of at least three years' standing, who have taken the Degree of Bachelor of Arts or Bachelor of Philosophy, and who shall make application for the Master's Degree, presenting at the same time a certificate of graduation from a Theological Seminary, a Law School, or a Medical School, or of admission to the practice of law or medicine, or satisfactory evidence of successful labor in that field of education or literature which may have been permanently chosen.

Until 1896 the Faculty will also recommend for the degree of Master of Science, graduates of Colgate University of at least three years' standing, who have taken the degree of Bachelor of Science, and who shall make application for the Master's Degree, presenting at the same time a certificate of graduation from a Medical School, or of admission to the practice of medicine, or who shall present satisfactory evidence of successful professional work actually done, or of the successful prosecution of advanced scientific or professional studies.

Requirements for Admission

General Requirements

All candidates for admission must bring with them testimonials of attainments and of moral character, preferably from their latest instructors, and, if from another college, a certificate of regular dismission.

Candidates for the Freshman class must have completed their fifteenth year, and candidates for a higher class must be advanced in age accordingly.

It is recommended that the candidate be prepared for examination in the requirements as specified, but equivalents will be accepted.

Subjects Required for Admission to the Freshman Class

I. Classical Course

1. MATHEMATICS: Arithmetic, including the metric system of weights and measures. Algebra:—Taylor's Academic Algebra, or an equivalent in other authors. Geometry:—Wentworth's or Chauvenet's Plane Geometry, or an equivalent in other authors.

To enable students to succeed in the study of Mathematics in the University, the studies of the last year of the preparatory course should include a review of both Algebra and Geometry. Much attention also should be given to original work.

2. ENGLISH. The candidate will be required to write a short composition on one of several subjects announced at the

time of the examination. In 1894, the subjects will be drawn from the following works: Shakspeare's Merchant of Venice and Richard III, Burns's Cotter's Saturday Night, Longfellow's Evangeline, Scott's Ivanhoe, Hawthorne's Marble Faun, Bunyan's Pilgrim's Progress, Macaulay's Essay on Clive.

It is expected that the candidate will be thoroughly familiar with these works.

The candidate will also be required to correct specimens of bad English.

In 1895, the subjects will be taken from the following: Shakspeare's Merchant of Venice and Twelfth Night, Milton's L'Allegro, Il Penseroso, Comus, and Lycidas, Longfellow's Evangeline, the Sir Roger de Coverley Papers in the Spectator, Macaulay's Essay on Milton, and Essay on Addison, Webster's first Bunker Hill Oration, Irving's Sketch Book, Scott's Abbott.

In 1896, they will be taken from the following: Shakspeare's Merchant of Venice and Midsummer Night's Dream, Milton's L'Allegro, Il Penseroso, Comus and Lycidas, Longfellow's Evangeline, Macaulay's Essay on Milton, Webster's first Bunker Hill Oration, De Foe's History of the Plague in London, Irving's Tales of a Traveller, Scott's Woodstock, George Eliot's Silas Marner.

3. HISTORY: Doyle's History of the United States, or Montgomery's Leading Facts; Oman's History of Greece, or the section on Greece in Myers' Ancient History; W. F. Allen's History of the Roman People, or the section on Rome in Myers.

4. PHYSIOLOGY AND HYGIENE. Preparation in some good elementary work on these subjects is expected.

5. LATIN. Cæsar's Commentaries, Books I-IV; six orations of Cicero, including that for the Manilian Law and that for the Poet Archias; six books of Virgil's Æneid; Latin Grammar, (Allen and Greenough, or Harkness); and Jones's Exercises in Latin Prose Composition. It is especially desirable that candidates should have acquired the ability to translate easy passages in prose and verse at sight.

6. GREEK. Goodwin's or Hadley-Allen's Greek Grammar; three books of Xenophon's Anabasis; three books of Homer's Iliad; and exercises in Prose Composition. Collar and Daniell's Beginners' Greek Prose Composition is recommended.

II. Philosophical Course

1. MATHEMATICS, as for Course 1.

2. ENGLISH, as for Course 1.

3. HISTORY: In addition to requirements for Course 1, the History of England. Some such work as Freeman's England, in his Historical Series, is recommended.

4. PHYSIOLOGY AND HYGIENE, as for Course 1.

5. LATIN OR GREEK. Same preparation in either as for Course 1.

6. FRENCH OR GERMAN. The requirements in these are the following:

(a) FRENCH. 1. A thorough knowledge of the grammatical inflections, with special attention to the irregular verbs. The amount in Whitney's Practical French, or an equivalent, will be accepted. 2. Enough reading to enable the candidate to translate simple prose at sight. No specific authors or works are designated for examination, but the amount read should be about three hundred pages, of which the larger part should be modern narrative and conversational prose. Five recitations a week during one year should be given to this work.

(b) GERMAN. 1. Ability to pronounce German correctly and to read it with proper intonations. 2. Accurate knowledge of the elements of the grammar. The amount in Joynes-Meissner's Grammar, or an equivalent, will be accepted. 3. Enough reading to enable the candidate to translate simple German at sight. No specific authors or works are designated; but the amount read should be about two hundred pages, of which

the larger part should be narrative and conversational prose. Five recitations a week during one year should be given to this work. Preparation by the so-called "natural" method should be supplemented by systematic drill in grammar.

III. Scientific Course

1. MATHEMATICS, as for Course 1.

2. ENGLISH, as for Course 1.

3. HISTORY, as for Course 2.

4. PHYSIOLOGY and HYGIENE, as for Course 1.

5. PHYSICS. Some good elementary work on this subject.

6. CHEMISTRY:—through the non-metals. The candidate will be expected to have sufficient preparation to take up Analytical Chemistry in the Freshman year.

7. Two out of the three following languages:

(a) LATIN: two years' study;

(b) FRENCH: see 6. (a) under requirements for Course 2;

(c) GERMAN: see 6. (b) under requirements for Course 2.

Admission to Advanced Standing

Candidates for admission to any class higher than the Freshman are examined in the previous studies, or their equivalents, of the class which they wish to enter. Students coming from another college, may, at the discretion of the Faculty, be admitted upon certificate in the studies covered. If, however, they enter after the beginning of the Sophomore year, and desire to compete for Commencement honors, they will be expected to pass examination upon the previous work of the course. No person will be admitted to the University, as a

candidate for the Bachelor's degree, after the opening of the second term of the Senior year.

Admission to Special Courses

In exceptional cases, students not under twenty-one years of age, and not members of any one of the four classes, nor candidates for a degree, are admitted to the privileges of the University and allowed to take special courses, selected under the direction of the Faculty. Such students will be required to pass a preliminary examination sufficient to ascertain their qualifications for the course proposed, and are subject to the same regulations and discipline, and to the same examinations in the studies pursued, as those who are candidates for a degree.

They cannot compete for prizes or take part at Commencement. They will rank in the catalog with the class with which they enter the University. These special courses, however, are not offered to those who are members of one of the regular courses and who have failed to maintain standing.

Entrance Examinations

Entrance Examinations will be held at the University as follows: Monday and Tuesday, June 18 and 19, 1894, and again on Tuesday, Wednesday, and Thursday, September 11, 12, and 13, following.

All candidates are recommended to present themselves at the June examinations, so that they may have an opportunity to cancel any conditions in September. Those who remain conditioned after the September examinations or receive conditions at that time, may be required by the respective officers to study under an authorized tutor.

For the benefit of students living at a distance, who cannot conveniently take the June examinations at the University, arrangements may be made by which examinations shall be held under the direction of a college officer or some other authorized

person at some convenient point. Under such circumstances the names must be sent to the Dean of the Faculty not later than May 15th, 1894.

Admission by Certificate

The Pass Cards and College Entrance Diplomas of the University of the State of New York, recently issued, will be accepted as equivalent to the requirements for admission definitely covered by them.

Students, also, who have recently completed a full course of study similar or equivalent to that required for matriculation in any course of this University, may, by special arrangement, be admitted to that course, on the certificate of the Principal of the school from which they come.

Each certificate must state explicitly the subjects on which the candidate has passed a satisfactory examination, and the Principal must certify to the good character and conduct of the pupil.

The Principals of Academies and other preparatory schools who desire to have their students admitted on certificates are invited to correspond with the Dean of the Faculty.

Note:—Correspondence in relation to admission to any of the college classes should be addressed to Professor N. L. Andrews.



PATH ON THE CAMPUS



BROAD STREET—HAMILTON

COLGATE UNIVERSITY

UNIVERSITY EXTENSION

RALPH W. THOMAS, SECRETARY.

The Department of University Extension was organized in October, 1892. Its purpose is to extend higher educational advantages to those who are unable to reside at the University. To this end the department will give needed assistance at the organization of Centres in Central New York, and will arrange for lectures by members of the College Faculty, on the subjects advertised, wherever their services may be required. Each course consists of ten weekly lectures. The University Extension plan comprises lectures, the syllabus, class-work, written-work, guided reading, students' clubs, and final examination at the end of the Course. The class-work, written-work, students' club, and final examination are voluntary.

While a part of the regular organization of Colgate University, the department aims to carry on its work in connection with the University Extension Department of the University of the State of New York. Final examinations at the Centres are conducted by the State and all records of Extension scholarship are kept at the Regents' office. The actual teaching, however, is done by Colgate professors, whose aim is to arouse at the various Centres something of the spirit which characterizes work at the University.

Applications for circulars, information, assistance in organizing Centres, or courses of lectures offered, should be made to the University Extension Secretary, Colgate University, Hamilton, N. Y. All such applications will receive prompt attention.

The following is a statement of the University Extension Courses offered by the University, with the names of the professors who offer them:

GREEK LITERATURE

PROFESSOR N. LLOYD ANDREWS:

- COURSE 1. Greek Literature (with illustrative readings).
COURSE 2. History of Ancient Architecture (with stereopticon views).
 (a.) Egyptian.
 (b.) Assyrian.
 (c.) Greek.
 (d.) Roman.

MATHEMATICS

PROFESSOR JAMES M. TAYLOR:

- COURSE 1. Algebra.
COURSE 2. Calculus.

BIBLICAL LITERATURE

PROFESSOR S. BURNHAM:

- COURSE 1. Poetic Literature of the Old Testament.
COURSE 2. Prophetic Literature of the Old Testament.
COURSE 3. History of Israel from the Exodus to the close of the Babylonian exile.
COURSE 4. Assyro-Babylonian History.

CHEMISTRY

PROFESSOR JOSEPH F. MCGREGORY:

- COURSE 1. Analytical Chemistry.
COURSE 2. Applied Chemistry.

ENGLISH LITERATURE

PROFESSOR WILLIAM H. CRAWSHAW:

- COURSE 1. Introductory Course to English and American Literature.
COURSE 2. Studies in Shaksperian Drama (A series of lectures on separate plays of Shakspeare).
COURSE 3. Shakspeare's Othello.

- COURSE 4. The Elizabethan Drama (Lectures on representative plays of the leading Elizabethan dramatists exclusive of Shakspeare).
- COURSE 5. The English Novel.
- COURSE 6. English Poetry of the Nineteenth Century.
- COURSE 7. American Literature.
- COURSE 8. The study of Literature (Lectures on the nature, limits, divisions, etc. of literature, methods and principles of study, etc.).

SEMITIC LANGUAGES

PROFESSOR NATHANIEL SCHMIDT:

- COURSE 1. The Bible in the Light of Historic Research (with stereopticon views).
- COURSE 2. History of Syria before the Hebrew Invasion.
- COURSE 3. History of Egypt (with stereopticon views).
- COURSE 4. Arabia before Muhammed.
- COURSE 5. Relations of Islam to Judaism and Christianity.

GERMAN LITERATURE

PROFESSOR ROBERT W. MOORE:

[Over three hundred stereopticon views are used in illustrating these lectures.]

- COURSE 1. 1, Old High-German Period.
2, Middle High-German Period.
 (a) Nibelungenlied (Illustrated).
 (b) Gudrun and other important works.
3, New High-German Period.
 (a) Luther and the Reformation (Illus.).
 (b) Klopstock and Lessing.
 (c) Goethe (Illustrated).
 (d) Schiller (Illustrated).
 (e) The Romantic School.
 (f) Heine and the Modern Era.

COURSE 2. The Germans.

- (1) Their Cities, Country, Customs, etc.
- (2) Important Epochs in their History.
- (3) Their Literature.

FRENCH LITERATURE

COURSE 1. The Seventeenth Century.

[The greater part of this course is devoted to the life and works of Corneille, Molière, and Racine.]

GEOLOGY

PROFESSOR ALBERT P. BRIGHAM:

COURSE 1. The Physical History and Scenery of New York, illustrated with stereopticon views.

[The department of Geology is securing a collection of the best photographs, with the view of making this series of illustrations as interesting and as complete as possible.]

COURSE 2. The geological work of Water, also illustrated by views and field excursions, Rivers, Glaciers, Glacial Periods, Lakes, Underground waters, and the Ocean, are the chief subjects of the course.

PHILOSOPHY

PROFESSOR FERDINAND C. FRENCH:

COURSE 1. The History of Ancient Philosophy.

COURSE 2. The History of Modern Philosophy.

PHYSICS AND ASTRONOMY

PROFESSOR ERNEST F. NICHOLS:

COURSE 1. The Constitution of Matter and Molecular Vibration.

COURSE 2. Sound and Light.

COURSE 3. Electricity and Magnetism.

COURSE 4. The New Astronomy—Astro-Physics.

[The courses in Physics and Astronomy will be illustrated by a number of experiments performed in the field of a projection lantern and by lantern slides.]

HISTORY

PROFESSOR GEORGE W. SMITH:

COURSE 1. Prehistoric Man.

COURSE 2. Political and Institutional History of Rome.

COURSE 3. The Mediæval Period: Struggle Between the Papacy and the Empire.

COURSE 4. The French Revolution.

COURSE 5. American History to the Revolution.

COURSE 6. The Nineteenth Century.

COURSE 7. Current Economic Questions.

PEDAGOGY

PROFESSOR CHARLES H. THURBER:

COURSE 1. Contemporary School Systems.

1. German Schools in the 19th Century. Historical.
2. German Schools in the 19th Century. Descriptive. Illustrated by lantern slides.
3. The Development of the Schools of France since the Franco-Prussian War.
4. English Schools.
5. Unsettled Problems in Contemporary Educational Thought.

COURSE 2. History of Education.

1. Athenian Schools.
2. Roman Schools.
3. The Rise of Universities.
4. The Reformation.
5. Comenius, Basedow, and some early text-books. Illustrated by lantern slides.
6. Rousseau and the Emilé.
7. Pestalozzi. Illustrated by lantern slides.
8. Froebel and the Kindergarten System. Illustrated.
9. and 10. The Development of Education in the United States.

Lectures 5 and 7 are suitable for delivery outside the regular course.

COURSE 3. School Hygiene and School Furniture.*

(These lectures are intended primarily for teachers, and the courses will aim to be of practical value in the work of the school-room. At the same time, they will be of interest to trustees, school officers, and all who may be concerned with current educational problems.)

RHETORIC AND ORATORY

PROFESSOR RALPH W. THOMAS:

COURSE 1. British Orators.

COURSE 2. Representative American Orators.

COURSE 3. Practical Rhetoric.

*In Preparation.

COLGATE UNIVERSITY

MATERIAL EQUIPMENT

Grounds and Buildings

The present site of the University was determined by the gift, in 1826, of 120 acres of land by Hon. Samuel Payne and his wife. Various additions have been made to the original gift until now the University Grounds cover upward of two hundred acres. Situated near the village of Hamilton, possessed of great natural advantages, with a landscape pleasantly diversified by valley and hill, the location is an ideal one for a college.

Plans for future improvements have been prepared by Mr. Ernest W. Bowditch, of Boston, one of the leading landscape gardeners of the country. All work on the campus will proceed hereafter in accordance with these plans and under the general supervision of Mr. Bowditch.

The Superintendent of Grounds and Buildings gives close attention to all improvements, and progress is being made toward the highest development of the unusual natural beauty of the campus.

The Athletic Field covers fifteen acres. It contains baseball and foot-ball grounds, with grand stand, tennis courts, and ample space for field sports generally. Under the auspices of the Athletic Association the usual winter sports afford healthful recreation in their season.

The principal buildings of the college are:

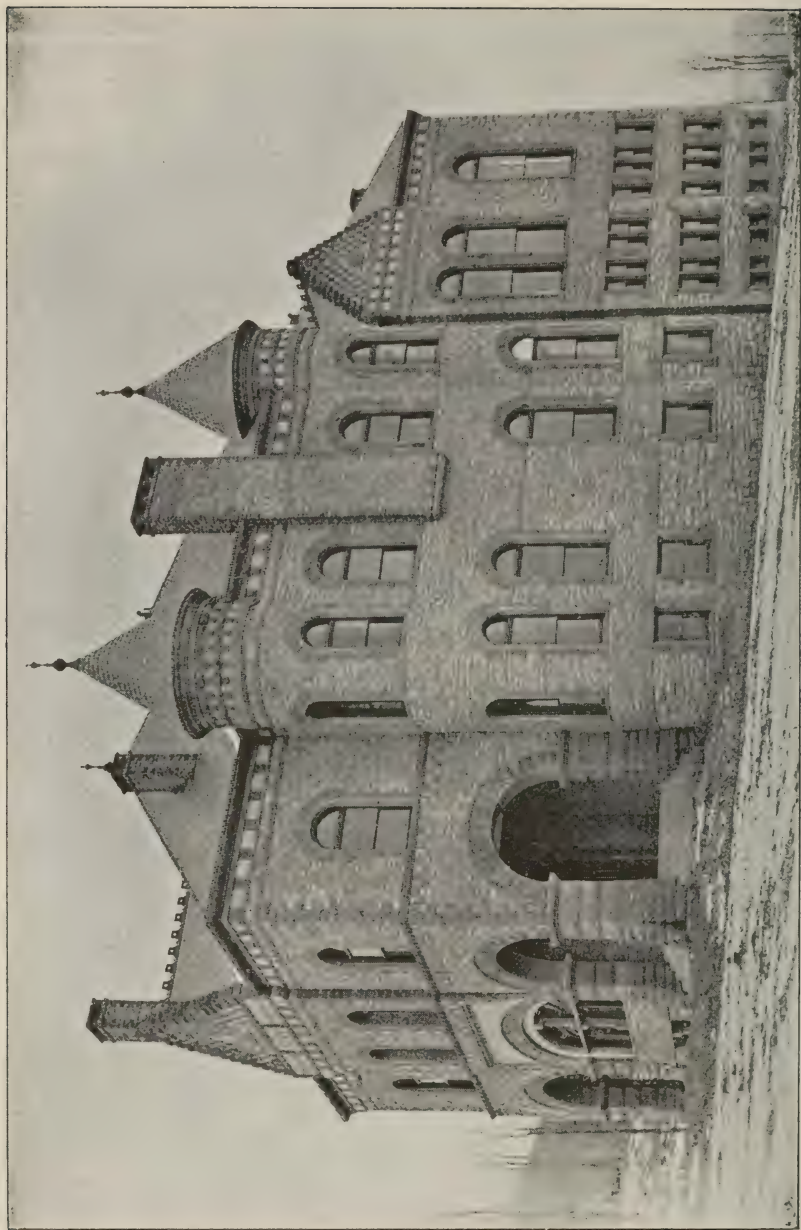
WEST COLLEGE. This building was erected in 1827. It con-

tains two large lecture rooms, the museum of Natural History, an Historical Seminary room, the Biological Laboratory, and accommodations for seventy students.

EAST COLLEGE. This building was erected in 1834. It is the main dormitory, and contains accommodations for about ninety students, the Janitor's apartments, and bath-rooms furnished with modern appliances. The living rooms in both East and West Colleges are under the supervision of the students' Dormitory Association, subject to the general control of the Superintendent of Grounds and Buildings. This trial of student self-government, instituted several years ago, has proved to be a decided success.

ALUMNI HALL. This building was erected in 1860 by the alumni and friends of the University. It is known in the University Records as The Hall of Alumni and Friends, and contains the college chapel, the room of the college Y. M. C. A., eight lecture rooms, and a public hall with a seating capacity of 1,200.

THE CHEMICAL LABORATORY is the joint gift of the late President Dodge, Col. Morgan L. Smith, of Newark, N. J., Mr. Thomson Kingsford, of Oswego, and Mr. Samuel Colgate, of New York. It was built in 1884, of Hamilton stone, trimmed with brick, and is well adapted to the purposes for which it was built. The building is occupied by the departments of Chemistry and Physics. On the ground floor are two large lecture rooms, well lighted and furnished with necessary apparatus for illustration and experiment. Additional rooms are provided for the storage of apparatus. On the second floor are the laboratory work rooms, which afford opportunity for an extended course in Analytical Chemistry, both Qualitative and Quantitative. These rooms are occupied as follows: (1) The main room, in which Analytical Chemistry is begun. Each student is provided with a desk, furnished with sink, gas jets, air blasts, and a full set of re-agent bottles, besides apartments for tools and apparatus. The room is also furnished with ventilating hoods for work with volatile or poisonous substances.



THE COLGATE LIBRARY

(2) A laboratory for advanced students, fitted with appliances for delicate and accurate work, adjoined by a balance room furnished with accurate balances and other appliances, and by supply rooms containing chemicals and apparatus. (3) A furnace room, supplied with an improved furnace and condenser. (4) Dark rooms for photography and mineralogical work. (5) A library and consulting room, supplied with the latest authorities on the Science of Chemistry.

THE COLGATE LIBRARY, the gift of Mr. James B. Colgate, has been erected and furnished at a cost of \$150,000. It contains upward of 20,000 square feet of tiled flooring, is entirely fire-proof, and in the completeness of its facilities, embraces the best results of the large experience of Melvil Dewey, Director of the New York State Library. Besides two stack-rooms, with a united capacity of 100,000 volumes, the building contains a reading and consulting room, 60 by 38 feet; a room for the use of the Baptist Historical Collection of documents and bound volumes relative to Baptist History; a room for the use of the large collection of Government Documents owned by the University; a room for the use of the Board of the University, and one for the use of the Board of the Education Society; the office of the Treasurer of the University; three seminary rooms, the room of the Colgate University Press Club; a delivery room, 40 by 54 feet; the Librarian's office; a cataloguer's room; besides other rooms used for various purposes. The building is heated throughout with steam, and open fire places provide ample ventilation. It is believed that in beauty of architecture and in adaptability to the practical needs and daily uses of a University Library, the Colgate Library may justly claim to be the equal of any college library building in the country.

The University Library

The Library is intended to meet the needs of all departments of the University. While the daily needs of the students are not forgotten, the aim is to secure, so far as possible, works that may serve as original sources of information for the mem-

bers of the Faculty in their personal investigations, and also for those students who may be doing seminary work.

The Library already contains over 23,000 volumes, and is enlarged every year by the expenditure of the income of a Library fund of \$25,000. In the Library, are included the following special collections:

(1) The President Dodge gift of more than 3,500 volumes, especially rich in works on Theology and Art; (2) the Hon. Isaac Davis section, consisting of works on Baptism and works by Baptist authors, annually increased by the income of the fund bequeathed; (3) the William Ward Memorial collection, consisting of Encyclopædias and other works of reference, annually enlarged by the income of a fund given by the late William Bucknell, Esq., in memory of Rev. William Ward, D. D., class of '48; (4) the collection which once formed the Library of the American and Foreign Bible Society. Twenty-five or more of the best American, English, French, and German periodicals are taken and bound, and by indexes, are made available for permanent use.

In addition to the contents of the Library already mentioned, there is to be placed in the Library Building in a room especially devoted to its use, the Baptist Historical collection, now numbering some 35,000 pamphlets and bound volumes. This collection, the gift of Mr. Samuel Colgate, consists of annual reports of Associations, State Conventions and Missionary Societies, Catalogues of Educational Institutions, Historical Sermons and Addresses, Histories of Individual Churches, and other documents relating to Baptist history and the religious history of our country. No pains or expense have been spared to make this collection as complete as possible; and it is safe to say that it is the most perfect, and, indeed, almost the only collection of its kind in the world. It will be invaluable to future historical writers of the Baptist denomination, and must be of great value to many others. A pamphlet explaining this collection will be sent free on application to the Librarian. The transfer of this collection to the room devoted to its use, is now being made.



THE GYMNASIUM

The Library is open daily from 8 A. M. to 5:30 P. M., except on Monday afternoons and Sundays. Students are allowed to take books to their rooms, and also have direct and personal access to a collection of 2,000 volumes, or more, placed in the Reading Room. These volumes are changed more or less every term to meet the varying needs of the different departments. The Librarian and his assistants give the most of their time to the care and development of the Library, and to the work of affording personal aid to the students in the investigation of special subjects and in laying out special courses of reading.

Lectures will be given by the Librarian on the true methods of using and reading books, and on the subject of Library classification. Elementary instruction will also be given in Library economy with the purpose of preparing students who may desire to undertake Library work, for entering the Library school at Albany.

It is the aim of the Library staff to make the Library of the utmost use to the University; students of all departments are encouraged to ask for assistance in their work, and are urged to use the Reading and Seminary rooms for purposes of special investigation; the correspondence table is at the service of those who may desire to write letters; while the tables for magazines and current literature prove attractive to desultory readers.

The Gymnasium

The department of Physical Culture occupies the new Gymnasium, just completed, which affords unexcelled opportunities for physical instruction and exercise. The building is 81 by 94 feet and 50 feet high, constructed of Hamilton stone, trimmed with red sandstone. The first floor contains the Main Hall, 62 by 50 feet, with an elliptical running track suspended from the truss roof, and is amply lighted by a large skylight in the center of the roof in addition to the windows at the sides. The Professors' offices, the sparring, fencing, and bicycle rooms, batting cage and Y. M. C. A. parlor are also on this floor. On the ground floor is the locker room, containing accommodations for four hundred students; adjoining this on one side are

the bowling alleys, on the other the tile-lined bath rooms, containing shower, spray, needle and sponge baths, and a large swimming tank, 15 by 40 feet. On the floor above the Main Hall are the trophy, lecture and students' rooms, and a visitors' gallery overlooking the exercise room and running track. The Gymnasium is amply equipped with the most approved apparatus, making it complete in every respect.

Natural Sciences

The departments of Chemistry and Mineralogy, and Physics, occupy the Laboratory building, and are furnished with very complete apparatus for the purposes of instruction. New articles of apparatus are added constantly as they are needed. The courses in Mineralogy have been enlarged during the past year, and by the purchase of a fine working collection of minerals, together with instruments for the study and determination of minerals, students are now offered a short course of practical work in this interesting study.

The Museum of Geology and Natural History contains the following collections:

The Douglass Herbarium, presented by Dr. J. S. Douglass, filling thirty-three volumes, and illustrating the flora of the Northern United States.

The Zoölogical collections, including alcoholic specimens, chiefly collected by the late Professor W. R. Brooks; the conchological collection, consisting largely of tropical species; an excellent display of corals; and a very large and valuable collection of the birds of Europe, the East Indies and North America, secured for the University by Professor A. S. Bickmore of New York.

The geological material is arranged in several departments, as follows:

Historical.—An extended series of fossils, illustrating the succession of life in geological time. This collection was purchased for the University by Mr. James B. Colgate, and includes many of Ward's casts of extinct vertebrates.

Systematic.—Affording facilities for comparing the fossil with

the existing forms of the several zoölogical groups. This collection has recently been enriched by the addition of a series of Silurian and Devonian corals, from Michigan and Canada.

Dynamical.—Here are found a suite of typical lavas and other volcanic products from many parts of the world; a model of Mount Vesuvius and its environs, and a variety of specimens illustrative of sedimentation, weathering, seashore action, metamorphism, folding, jointing, veins, dikes, and other structures, glacial action, the work of underground water, and the geological effects of organisms.

Lithological.—A typical display of rock forming minerals and the common rocks resulting from their combination, sedimentary, metamorphic and igneous.

Economic.—This collection was begun by the acquirement of representative building stones of New York and New England. During the current season large additions have been made, embracing a wide range of geological materials used in the arts. These additions include several hundred specimens from Colorado, collected at the principal mining camps and from firms in Denver. A highly valuable collection was also secured at the close of the Columbian Exposition, including native gold, silver, copper, ores of gold, silver, platinum, iron, tin, copper, zinc, nickel; fuels, building and ornamental stones, pigments, fire and plastic clays, asbestos, phosphates, road materials and miscellaneous minerals from all sections of the United States and the British Provinces, embracing a rich collection from the resources of New South Wales.

The lecture room and Laboratory are provided with maps, Zittel's and other charts, models, oxyhydrogen lantern, a large variety of slides and photographs, and a lithological lathe. There is also a valuable and very complete outfit of microscopes and other apparatus for biological study, which was donated as a class memorial by the Class of 1889 of this University.

Religious Societies

THE SOCIETY FOR INQUIRY is an organization which has been maintained by the students for nearly fifty years. Its purpose

is to create and preserve an interest in the work of foreign missions. Besides occasional public lectures and sermons, it sustains a monthly concert of prayer for missions, at which reports are presented relating to missionary work. Through members and correspondents, the society has gathered a well selected Missionary Library of 800 volumes, and a museum with a variety of material from Greece, Hindostan, Burmah, Siam, China, Mexico, Africa, and other missionary fields, illustrative of the customs, manners, arts, dress, and religious rites, of those countries.

THE COLLEGE YOUNG MEN'S CHRISTIAN ASSOCIATION is a large and enthusiastic organization, devoted to the sustaining and extension of religious life among the students. It sustains weekly meetings, Bible Classes, and a Workers' Training Class. At intervals through the year, public addresses of interest and value are delivered under the auspices of the association.

Expenses

The necessary expenses of a student in Hamilton are exceedingly moderate. Tuition is fixed at a price much lower than that of most eastern institutions, while the dormitories furnish commodious and comfortable rooms at a price merely nominal. Moreover, to worthy and capable students, aid is furnished by the Baptist Education Society of the State of New York, and numerous scholarships and premiums are provided by the University. It is intended, so far as possible, that no diligent, worthy student shall leave the institution for lack of means. The friends of the institution have made noble provision for this purpose, but the constant increase of the number of students and the extension of the usefulness of the University, make imperative the need of further provision in aid of promising students. It is hoped that those interested in higher education will be inclined to establish many other general scholarships, applicable at the discretion of the University to the assistance of worthy and capable young men.

The following list includes most of the necessary expenses of the undergraduate student for one year:

Tuition, \$45.00. Room rent, \$10.50 or \$15.00, according to the location of the room. To a student rooming alone, the rent is \$21.00 or \$30.00.

An additional fee of \$10.00 a term is incurred by those students who take Analytical Chemistry. This sum is intended to cover the expense of chemicals, gas, and the use of general laboratory apparatus. A deposit of \$5.00 is required of all students in Analytical Chemistry, to cover breakage. Any balance left at the end of the course is returned. A fee of \$3.00 per term will also be charged for the use of apparatus in the Biological Laboratory.

The above expenses are payable each term in advance, except as stated above. No deduction is made on account of absence, unless the student enter a lower class.

The fees for the degrees in course, including diploma, are five dollars each, payable in advance.

Board is obtained in clubs at an average cost of \$2.25 a week. In private families it varies from \$2.50 to \$3.50. The cost of board and room in private houses is from \$3.50 to \$4.50 a week. The students who room in the college dormitories furnish their own rooms. The care of the rooms is in part committed to the janitor, Mr. L. Gilmartin.

Resources and Aid

Before the Commencement of 1891, the University possessed, in addition to its grounds and buildings, a productive endowment of about half a million dollars; at that time, it received from Mr. James B. Colgate, of New York, an additional gift of a million dollars, invested and bearing interest. The conditions of this gift are so arranged that the income of one-half of the amount becomes available for early improvement of the University and extension of its work, while the income of the other half is added for the present to the principal, and thus provides a steadily growing fund to meet enlarged necessities in the future. This noble gift has strengthened the University in all its work, and opened the prospect of permanent and increasing efficiency.

The Education Society

Students for the ministry, of suitable character and talents, may receive aid from the Baptist Education Society of the State of New York. The amount furnished varies somewhat according to the needs of the student and his position in the course of study. In addition to the regular contributions made to the society for this purpose, it also has control of a number of scholarships, the income of which is to be expended in the education of young men for the Christian ministry. All communications with reference to the amount and conditions of help for ministerial students should be addressed to the Secretary of the Education Society, Rev. H. S. Loyd, D. D., Hamilton.

The University Scholarships

The University also has at its disposal a number of scholarships, designed for all classes of students, whether students for the ministry or not.

THE TREVOR SCHOLARSHIPS—A fund of \$40,000 was given by the late John B. Trevor, of New York, to establish forty scholarships—twenty yielding \$30 a year and twenty yielding \$90 a year each—for the benefit of those who have served in the army or navy of the United States. "Soldiers or their orphan sons, or sons not orphans, or their brothers or those dependent on soldiers for support—and in this order of preference—shall have the benefit of these scholarships."

THE GANO SCHOLARSHIP, of \$90, established by Mrs. Eliza Rogers, of Providence, R. I.

THE ELEANOR F. DODGE SCHOLARSHIP, of \$60, established by Mrs. E. F. Dodge, of Providence, R. I.

THE EDWARDS SCHOLARSHIP, of \$72, established by Hervey Edwards, of Fayetteville, N. Y.

THE VAN ANTWERP SCHOLARSHIP, of \$60, established by William M. Van Antwerp, of Albany, N. Y.

THE PALMER SCHOLARSHIP, of \$60, established by Nelson Palmer, Athens, N. Y., class of 1849.

THE COOLIDGE SCHOLARSHIP, of \$54, established by William Coolidge, of Madison, N. Y.

The PHILLIPS SCHOLARSHIP, of \$30, established by Thomas Phillips, of New York.

The CRISSEY SCHOLARSHIP, of \$30, established by Benjamin Crissey, of New York.

The JEFFERSON TILLINGHAST SCHOLARSHIP, of \$30, established by Jefferson Tillinghast, of Newport, N. Y.

The PEDDIE SCHOLARSHIP, of \$30, established by Thomas B. Peddie, of Newark, N. J.

The INGALLS SCHOLARSHIPS, two of \$30 each, established by Mr. and Mrs. David W. Ingalls, of Hamilton, N. Y.

The BENJAMIN F. TILLINGHAST SCHOLARSHIP, of \$50, established by Benjamin F. Tillinghast, of Cortland, N. Y.

The CYNTHIA BURCHARD ANDREWS SCHOLARSHIP, of \$60, established by the late Mrs. Cynthia Burchard Andrews, of Hamilton, N. Y.

The PRESIDENT'S SCHOLARSHIPS, ten of \$39 each, designed for young men of character and capacity not preparing for the Christian ministry.

Written applications may be made to the Treasurer of the University, Mr. W. R. Rowlands, Hamilton, or to any member of the Faculty, giving name, age, residence, purpose in study and means of support. Those who apply for one of the Trevor Scholarships should also state the military service for which the scholarship is asked.

PRIZES

Extracts from the University Regulations

“Only those students who are candidates for a degree can compete for prizes, or other college honors.”

“No student is allowed to compete for any prize, unless he has passed all examinations prior to the term in which such competition takes place, and has also maintained standing during the term of competition. No credit in class standing is given for prize work. Students admitted to any class with conditions, must pass examination on the subjects on which conditions have been imposed before competing for any prize.”

The Dodge Entrance Prizes

Four prizes were established by the late President Dodge for students entering the Freshman class of the Classical Course, to be awarded as follows:

To the three Students from *Colgate Academy*, whose standing during the Academic Course shall be the highest, will be awarded a First Prize of \$30, a Second Prize of \$24, and a Third Prize of \$18, to be paid at the opening of the Freshman year.

A fourth Dodge Prize, of \$18, may be competed for by students entering from other preparatory schools, and also by such members of the Senior Academic class as entered the class during the year. This examination must be passed before the Saturday of the opening week. The officers hearing the Freshman class are the committee of examination and award.

The Kingsford Declamation Prizes

Established by Thomson Kingsford, Esq., of Oswego, N. Y.

By their class record for the year, twelve speakers are chosen from the Freshman, Sophomore, and Junior classes, four from each class. Two speakers from each class receive awards. Premiums of valuable books, for the first and second prizes, are given on Commencement Day to the six successful competitors.

The Baldwin Greek Prizes

These prizes have been established for the Sophomore class by Hon. D. P. Baldwin, LL. D., Class of 1856, Logansport, Ind. The examination, from printed papers, is exclusively in writing, and is upon some author, or work of an author, read by the class in the Spring Term of the Sophomore year. It embraces both grammar and subject-matter, with exercises in prose composition. There is a First Prize of \$18.00, and a Second Prize of \$12.00. No student can compete unless his standing in all departments averages at least 8. The Committee of Award is not connected with the University. For the present year, the subject is Demosthenes' Oration on the Crown, and the examination will occur June 9, 1894.

The Osborn Mathematical Prizes

These prizes, established in honor of the late Professor L. M. Osborn, have been provided for the Junior class by ten of the Alumni and friends of the University. The examination, which is exclusively in writing, is on the subjects of Analytic Geometry and the Calculus. The Prizes, three in number, a First Prize of \$25.00, a Second Prize of \$20.00, a Third Prize of \$15.00, are awarded by some scholar not connected with the University. No student is allowed to compete for these prizes, whose standing in this, or whose average standing in the other departments, falls below 8. For the present year the examination will occur April 7, 1894.

The Sophomore Latin Prizes

The examination is in writing on some author, or work of an author, read during the third term of the Sophomore year. It includes, however, more than is required of the class, and embraces translation, grammar and subject matter. There is a First Prize of \$25.00, and a Second Prize of \$15.00. No student is allowed to compete unless his average standing in all departments is at least 8. The award is made by some scholar not connected with the University.

The Allen Essay Prizes

Established by the Rev. George K. Allen, Class of 1870.

Two prizes, of \$17.00 and \$13.00 respectively, are awarded on Commencement Day to two members of the Sophomore class, for excel-

lence in English composition. For the present year the essay must be on one of the following subjects :

1. The Gothenburg System of the Liquor Traffic.
2. Francis Parkman, the Historian.
3. The Library as a Factor in Public Education.

The Lasher Essay Prizes

Established by the Rev. George W. Lasher, D. D., Class of 1857.

Two prizes of \$17.00 and \$13.00 respectively, are awarded on Commencement Day to two members of the Junior class, for excellence in English composition. For the present year the following subjects have been assigned, one of which must be chosen :

1. The Tenement House Problem in New York City.
2. Addison, the Essayist.
3. Tyndall as a Popularizer of Natural Science.

The successful competitors will read their essays before the Faculty and students in chapel, on the Friday morning before Commencement.

The following regulations apply to both the Allen and Lasher Prize Essays :

1. Each prize essay must contain not more than fifteen hundred words, and must be so written that the manuscript will show broad margins, and be suitable for binding; it must be signed with a fictitious name, and this fictitious name must be subscribed in the sealed note containing the writer's real name.
2. Before the day appointed for receiving the prize essays each competitor must register his name with the Professor of Rhetoric.
3. The essays which receive awards will remain in the possession of the Librarian, and will not be returned to the writers.

The Lawrence Chemical Prizes

Maintained by Mr. G. O. C. Lawrence, of Buenos Ayres, S. A.

Two prizes, of \$25.00 and \$15.00 respectively, are awarded on Commencement Day, for excellence in Analytical Chemistry. The examination, which is exclusively in writing, is upon the subjects of General and Analytical Chemistry, as given in Courses 1-4. Any student in this department, who is a candidate for a degree, may compete for

these prizes, provided his work in all other departments is satisfactory, and his average standing in this department is not below 8. The next examination will occur June 6, 1894.

The Clarke Oration Prize

Established by Sidney Clarke, Esq., of Park River, No. Dakota.

The contest for this prize occurs at the opening of the Spring Term, and the prize of \$50.00, for excellence in oratory, is awarded on Commencement Day. The regulations for competition are as follows:

1. Any member of the Senior class, candidate for a degree, who has maintained standing up to the term of competition, may present an oration.
2. The oration presented must contain not more than fifteen hundred words, and, in general, is subject to the regulations for Prize Composition.
3. From the whole number of orations presented, six shall be selected for public delivery.
4. The prize shall be awarded on the ground of excellence both in composition and in delivery.

The following topics are offered for the present year, one of which must be chosen:

1. Phillips Brooks.
2. The Parliament of Religions.
3. Lynch Law in the South.
4. Tennyson as a Patriot.
5. The Future of Canada.
6. Journalism as a Vocation for College Bred Men.

The Class of 1884 Debate Prizes

The Class of 1884 has established a fund whose annual interest will maintain a public prize debate, to be held during Commencement week. The prizes are \$40.00 and \$20.00.

The regulations governing the Class of 1884 debate prizes are as follows:

Competition for the Class of 1884 debate prizes shall be open to all members of the Graduating class who have elected debates throughout

the Senior Year. These prizes shall be awarded on the following conditions:

1. In connection with the work in debate there shall be held each year, a preliminary debate for the selection of speakers for the prize debate.
2. Any member of the Graduating class whose work in debate during the year shall be deemed worthy of such recognition may be designated as a candidate for the preliminary debate.
3. From the candidates at the preliminary debate, six speakers shall be chosen to be the competitors in the prize debate.
4. At the prize debate, two speakers shall receive awards.
5. The prizes shall be conferred on Commencement Day.

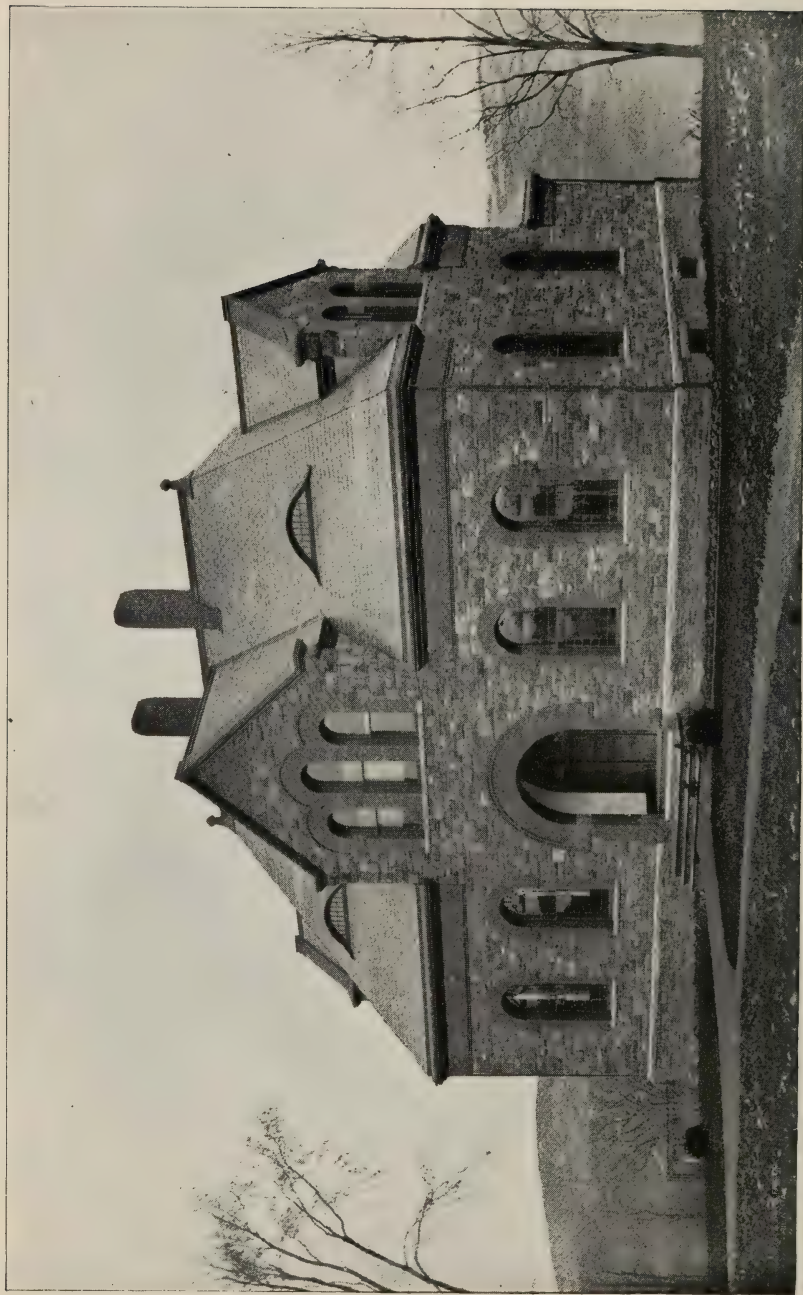
The Lewis Commencement Oration Prize

Established in Memory of George W. M. Lewis, of Utica, N. Y., by the late Professor John James Lewis, LL. D.

On Commencement Day of each year, the sum of \$60.00 will be awarded to that member of the Graduating class who excels in the composition and delivery of an original oration.

Regulations of the Competition for the George W. M. Lewis Commencement Prize.

1. Every candidate for a degree, who shall be appointed to speak at Commencement, may compete for this prize.
2. Eight minutes will be the limit of time for the delivery of each oration.
3. The Committee of Award will consist of five persons not residents of Hamilton.
4. The sum of \$60.00 will be awarded without division to one orator before the close of the Commencement exercises.



THE CHEMICAL LABORATORY.

GOVERNMENT

Special Regulations

Few formal laws are laid down by the University for the government of its students. It is expected that each student, during his residence at the University, will conduct himself in all his relations as a gentleman. Beyond this, formal laws are unnecessary. Examinations, oral or written, are conducted each term in the studies of the term. These examinations are conducted publicly, by a committee appointed by the Faculty, and are made a test of the student's proficiency and qualification for advancement. Beside the examination each officer grades the scholarship of his students at each exercise in the following scale of merit: *Maximum Grade, 10; Superior, 8; Medium, 6; Inferior, 4; Minimum, 2.* At the close of each term, the average standing is recorded.

No student shall be considered to have passed the term examination whose term standing shall not have reached at least 6, such term standing to be made up from the mark for the term's work and the mark for examination, combined in the proportion of 4 to 1. No student, except by special vote of the Faculty, shall be advanced from any class to the next higher, unless he have an average standing of 6 in every department of study.

Delinquents in term examinations, who fail to present themselves at the special examination succeeding, or who fail to pass such examination, are deprived of all privileges of the class room, unless a postponement of examinations to a definite time is granted by special action of the Faculty. The above regulation applies also to students who for any reason shall fail to meet their appointments in Public Speaking, and shall

not have made up the same before the close of the term in which the appointments occurred.

If a student shall marry during his course of study, he thereby dissolves his connection with the University. The question of re-admission is subject to the discretion of the Faculty, but in no case shall he be allowed to re-enter his class.

The Dean has the general supervision of the choice of elective studies. For Sophomore electives, choices must be registered on or before the first day of each term, but it is desirable that they be reported before the close of the preceding term. After the second Friday night of the term no changes will be allowed, and none before that time, except by special vote of the Faculty. Juniors and Seniors, before the first Friday evening of the Fall term, must make their elections for the entire year. In case of failure so to do, elective studies for the year will be arranged by a Committee of the Faculty. Senior and Junior electives may be changed only by consent of the Faculty.

Students pursuing a select course, not candidates for a degree, may upon application to the President, receive a certificate stating the courses which they have successfully completed. No degree, however, can be conferred, or certificate given, unless the applicant shall have sustained a good moral character, settled all college bills, and returned all books and paid all fines to the Library.

Only those students who are candidates for a degree can compete for prizes or other college honors. But all who enter the regular courses, candidates for a degree, are placed upon an equal footing in such competition, unless specified conditions are made.

No student is allowed to compete for any prize, unless he has passed all examinations prior to the term in which such competition takes place, and has also maintained standing during the term of competition. No credit in class standing is given for prize work. Students admitted to any class with conditions, must pass examination on the subjects in which conditions have been imposed, before competing for any prize.

No student is expected to be absent from any college exer-

cise except in case of necessity. In order, however, to provide for necessary absences of students, a certain number of absences will be allowed in each subject, in accordance with the following regulations:

1. No student shall be allowed to absent himself from more than one-tenth of the whole number of exercises in any course during one term.

2. Any student desiring to be excused from reciting in any exercise shall be charged with absence.

3. No absence in excess of the number allowed shall be excused for any cause whatever.

4. Any student exceeding his allowed number of absences shall be expected to pass all reviews and term-reviews, and shall afterwards be required to pass a special examination before the first Saturday night of the following term. Failing to pass the said special examination, the student shall be required to take the subject again in the class room. Failing to present himself for the special examination, the student shall be debarred from recitation in any subject until he shall take the said special examination.

5. Continued absence, without cause, in excess of the allowed number of absences, may become a subject for discipline.

6. As respects attendance at chapel, the same proportion of absences shall be allowed as in the case of class room exercises.


7. Excess of the allowed number of absences from the chapel exercises may become a subject for discipline.

STUDENTS

Senior Class

ALDRICH, CYRUS, Hamilton.	I	Mrs. W. T. Manchester's.
BECKER, FREDERICK CURTIS, Columbia, S. C.	I	ΔY House.
BLANDEN, MERRILL JAY, Belleville.	I	$\Phi K \Psi$ House.
BOWN, BYRON ARTHUR, Fairport.	I	ΔY House.
BRIGGS, GEORGE ALBERT, Hamilton.	I	Mrs. M. D. Kinmonth's.
BROWNELL, CLARK TINKHAM, Cambridge.	I	ΔY House.
CHENEY, SAMUEL TORREY REED, Jamaica, Vt.	I	$\Phi K \Psi$ House.
CHESTER, WAYLAND MORGAN, Noank, Conn.	I	$B \theta H$ House.
COBB, GEORGE WATSON, Fairport.	I	ΔY House.
EDDY, BURT HENRY, West Brattleboro, Vt.	I	Mrs. J. J. Lewis's.
EDWARDS, JAMES ROMULUS, Mount Vernon Springs, N. C.	I	28 W. C.
GALPIN, FRED TOWER, Canandaigua.	I	Mr. C. F. Risley's.

GODDARD, WILLIAM DEAN, Hamilton.	I	Rev. J. R. Goddard's.
HUNTER, WILLIAM, Jr., Fulton.	II	Mr. Walter Ingalls's.
LARKIN, ALBERT EDWIN, Camillus.	II	Mr. J. W. Hurn's.
LEETE, JOHN HOPKINS, Detroit, Mich.	I	ΔY House.
MARTIN, HERBERT E., Homer.	I	6 Payne Street.
MORRIS, FRANK RICHARD, Portlandville.	I	ΔY House.
NEWELL, HARRY EMORY, Davenport.	II	$\Delta K E$ Pierce Memorial.
PURINTON, HARRY EDWARD, Buffalo.	I	$\Delta K E$ Pierce Memorial.
RISLEY, ADNA WOOD, Jackson, Mich.	I	Mr. C. F. Risley's.
ROGERS, ALFRED WILLIAM, Oneida.	I	28, W. C.
STARK, CLIFFORD, Waverly.	I	ΔY House.
SCHMIDT, EMANUEL, Hudiksvall, Sweden.	I	Professor Schmidt's.
STELLE, WILLIAM BERGEN, Jersey City, N. J.	I	$\Delta K E$ Pierce Memorial.
STRONG, WILLIAM MAHLON, Terrytown, Pa.	I	ΔY House.

TAYLOR, JAMES PADDOCK, Hamilton.	I	Professor Taylor's.
VAN KIRK, HERBERT, Greenwich.	I	Mrs. A. Z. Kingsley's.
 <u>WILLCOX, FRANK GRENELL,</u> Holyoke, Mass.	I	$\Delta K E$ Pierce Memorial.
WILSON, CHARLES CARL, Decatur, Ill.	I	$\Phi K \Psi$ House.

Not Candidate for a Degree

MANY, JAMES WARREN, Mount Vernon.	ΔY House.
SENIORS, - - - - - - -	31

Junior Class

ANDERSON, JOHN BENJAMIN,	I	20 W. C.
Minneapolis, Minn.		
APPLEGATE, JOHN STILWELL,	I	Δ K E Pierce Memorial.
Red Bank, N. J.		
BACON, EMERY ARTHUR,	I	College Street.
Shushan.		
BOGART, WILL EDWIN,	I	Mr. A. Sisson's.
Masonville.		
BUSTIN, DENNIS JOSEPH,	I	Mr. Woodruff's
Towanda, Pa.		
CARR, GEORGE HENRY,	I	Miss Barns's, Montgomery St.
Clarence Center.		
CHESTER, HOWARD ELDRIDGE,	I	31 W. C.
Albion.		
CLARE, DANIEL HUNT,	I	21 W. C.
Newark, N. J.		
DAVIS, JESSE BUTRICK,	I	Δ Y House.
Detroit, Mich.		
GRANT, ELMER DANIEL,	I	Mr. F. H. Ingalls's.
Westville.		
GRIFFITH, JOHN WILLIAM,	I	37 W. C.
Nanticoke, Pa.		
HATCH, FREDERICK WILLIAM,	I	14 W. C.
Washington, D. C.		
HILTON, J. ARTHUR,	III	Mrs. D. P. Hill's.
Brooklyn.		

- MOLYNEAUX, HARRY SAMUEL, II $\Phi K \Psi$ House.
Millview, Pa.
- MUNRO, FAYETTE SMITH, I $\Delta K E$ Pierce Memorial.
Camillus.
- MUNRO, PHILIP ALLEN, I $\Delta K E$ Pierce Memorial.
Camillus.
- NIMS, HERBERT EDWARD, I Dr. A. Tompkins's.
Decatur, Ill.
- SARGENT, ROSCOE, I $\Phi K \Psi$ House.
Sandy Creek.
- SHELDON, EDWARD HOWARD, II Mr. W. F. Ingalls's.
Wakefield, Mass.
- SQUIRES, LOUIS ALMON, II $\Delta K E$ Pierce Memorial.
Cortland.
- STACKPOLE, MARKHAM WINSLOW, I Mrs. Stackpole's.
Hamilton.
- TURNER, JAMES OLIN, I $B \theta II$ House.
Middletown, Conn.
- WALKER, ABBOTT REVERE, I $\Phi I \Delta$ Hall.
Washington, D. C.
- WATERHOUSE, WILLIAM PARMELEE, II Miss Berry's.
Beaufort, S. C.
- WILLIAMS, FRANK MARTIN, I Mr. H. Tibbitts's.
Durhamville.
- WILLIAMS, GEORGE DAVID, I Mr. H. Tibbitts's.
Durhamville.
- WINTERS, HERBERT DANIEL, I $\Phi K \Psi$ House.
Dundee.

WINTERS, WALTER PAYNE, I $\Phi K \Psi$ House
De Land, Fla.

WOODRUFF, ERNEST HALL, I $\Phi \Gamma \Delta$ Hall.
Waverly.

Not Candidates for a Degree

CRYDENWISE, HOWARD WILLIAM, $\Delta K E$ Pierce Memorial.
Norwich.

HANKS, HARVEY ALEXANDER, Mrs. Neiss's.
Cossayuna.

HICKS, KENNETH CLARK, $\Delta K E$ Pierce Memorial.
Canandaigua.

JUNIORS, - - - - - 32

Sophomore Class

ABERCROMBIE, ABRAHAM LINCOLN,	I	$\Phi K \Psi$ House.
Pomona, Fla.		
BINGHAM, IRA WILCOX,	II	14 W. C.
Spencer.		
BRADFORD, WILLIAM EDWARD,	III	ΔY House.
Owatonna, Minn.		
BROWN, WILLIAM HENRY,	II	$B \theta H$ House.
Dresserville.		
CARTER, JOHN PILLSBURY,	I	35 W. C.
Concord, N. H.		
CRANDALL, JOSEPH BERTRAM,	I	ΔY House.
Brooklyn.		
FINCH, JOHN WELLINGTON,	I	
Earlville.		
FORD, FRANK ERNEST,	I	16 W. C.
Camden.		
GRENELL, BURT BUDINGTON,	I	ΔY House.
Detroit, Mich.		
HUGHES, WALTER LINCOLN,	II	25 W. C.
Brooklyn.		
LEONARD, WALTER ADNA,	I	$\Phi K \Psi$ House.
Hoosick Falls.		
LOVETT, FREDERICK CROSBY,	I	26 E. C.
Brandon, Vt.		
MILLS, CHARLES ELMENDORF,	I	ΔY House.
Dennysville, Me.		

- NEGUS, CYRUS WILLIAM, I $\Delta K E$ Pierce Memorial.
Penn Yan.
- ROWE, ARTHUR CLARE, I ΔY House.
Wappinger's Falls.
- RUNYON, CHARLES, III $B \theta II$ House.
Stelton, N. J.
- SMITH, FRANCIS ABNER, I Mr. E. B. Sheldon's.
Meredith.
- STACKPOLE, PIERPONT LANGLEY, I Mrs. Stackpole's.
Hamilton.
- STEEN, ELMER LE ROY, I 12 W. C.
Owego, N. Y.
- STEWART, CHARLES WESLEY, III $\Phi K \Psi$ House.
Herrickville, Pa.
- TAYLOR, HARRY ENGLISH, I ΔY House.
Englishtown, N. J.
- TIBBITTS, JOHN CLARK, II 35 E. C.
Utica.
- VINTON, SUMNER REDWAY, I ΔY House.
Hamilton.
- WHEELER, WILLIAM LOUIS, III Mrs. Wheeler's.
Hamilton,
- WHITE, FOSTER HAMILTON, I $B \theta II$ House.
Seneca Falls.
- WINEGAR, WILLIAM HOADLEY, I Prof. Brigham's.
Amsterdam.

Freshman Class

ALLEN, WILLIAM ORVILLE,	I	Rev. H. W. P. Allen's. Hamilton.
BARKER, FRANKLIN LUTHER,	I	$\phi K Y$ House. Homer.
BEARDSLEE, S. ESMOND BARTON,	I	12 W. C. Little Meadow, Pa.
BOOMHOWER, JOSHUA GREGORY,	I	Mr. F. H. Ingalls's. Delhi.
BRIGGS, CHARLES WHITMAN,	I	Mrs. M. D. Kinmonth's. Deposit
BROWN, EDWARD,	II	Mrs. Carrie Bates's. Martville.
CALDWELL, L. J.,	II	ΔY House. Marlboro, Mass.
COLEMAN, NELSON LEONARD,	I	Mrs. Charles Smith's. Red Creek.
CREIGHTON, JOHN BARBER,	II	Mr. E. B. Sheldon's. Malone.
DARBY, OTIS HENRY,	I	17 W. C. Homer.
FORD, WARWICK STEPHEN,	I	33 W. C. Camden.
GRANT, JAMES EDWARD,	III	Mr. J. B. Grant's. Hamilton.
GODDARD, FRANCIS WAYLAND,	I	Rev. J. R. Goddard's. Hamilton.

GRAY, HENRY DAVID, Auburn.	II	Dr. Maynard's.
GROVE, GLEN ARNOLD, Fayetteville.	I	2 W. C.
GUILLAN, WILLIAM, Brooklyn.	I	36 W. C.
HAGGETT, ARTHUR JOHN, Brooklyn.	I	36 W. C.
HODGE, LAMONT FOSTER, Reading, Pa.	I	<i>B θ II</i> House.
HUDSON, WILLIAM THOMAS, Auburn.	III	9 W. C.
HYDE, EDGAR RHUEL, Groton.	I	13 W. C.
INGRAHAM, EDGAR SHUGERT, Oil City, Pa.	III	37 W. C.
KELSEY, WILLIAM BAXTER, Brooklyn.	II	25 W. C.
KINGSLEY, CLARENCE DARWIN, Syracuse.	III	Prof. Moore's.
KLOTZ, WALTER CARL, New York City.	II	Rev. F. P. Harrington's.
LARIEW, ZALMON CHASE, Waverly.	I	Mrs. Felt's, Mill Street.
LAW, WILLIAM CONSIDER, Dix.	I	20 E. C.
LYON, ERNEST NEAL, East Branch.	I	Mr. Crossman's.

- MILMAN, FRANK JONATHAN, I Mr. J. S. Swift's.
Scranton, Pa.
- NEWKIRK, BEAUMANN LOWE, II 32 E. C.
Broadalbin.
- OAKSFORD, JOHN M., I Hyland Cottage, Eaton St.
Gloversville.
- PRENTICE, ERNEST ARTHUR, I Mr. E. B. Sheldon's.
Little Falls.
- RATHBONE, HENRY BAILEY, I $\Phi K \Psi$ House.
New York City.
- ROBERTS, RAYMOND PARSONS, III Mrs. Juline Pierce's.
Perth Amboy, N. J.
- SEYMOUR, ROBERT GILLIN, JR. I $\Delta K E$ Pierce Memorial.
Lowell, Mass.
- SMITH, DILL BRONSON, I Mr. La Mott Smith's.
Hamilton.
- SMITH, KENDALL PROCTOR, I $\Delta K E$ Pierce Memorial.
West Winfield.
- STEVENSON, GEORGE EDMUND TRAVER, I $\Phi \Gamma \Delta$ Hall
Schaghticoke.
- TANNER, EDWIN CYRUS, I 41 E. C.
Sennett.
- WILEY, WALTER HAMMOND, III $\Delta K E$ Pierce Memorial.
Ballston Spa.
- WILSON, CYRUS GEORGE, I 16 W. C.
Fenner.
- WOOD, HOWELL ROLAND, III 9 W. C.
Auburn.

WOODS, WESLEY EVERETT, III $\Delta K E$ Pierce Memorial.
Collinsville, Conn.

Not Candidates for a Degree

ALDRICH, ARTHUR BURNETTE, Moravia.	$B \theta II$ House.
BABCOCK, WILLIAM EDWARD, Constantia.	32 W. C.
MOTT, JOSEPH ADDISON, Hamilton.	Mr. D. C. Mott's.
NEWLAND, FRANK HERRICK, Clifton Springs.	Mr. J. E. Morgan's.
PEEK, WILL SEYMOUR, Amsterdam.	32 E. C.
PREISS, HERMANN ARTHUR, Albany.	$\Phi I \Delta$ Hall.
ROLFE, JAMES ARTHUR, North Manlius.	41 E. C.
SCHWEICKERT, CHARLES, New York City.	23 E. C.

FRESHMEN, - - - - - 50

SUMMARY

SENIORS,	-	-	-	-	-	-	-	-	31
JUNIORS,	-	-	-	-	-	-	-	-	32
SOPHOMORES,	-	-	-	-	-	-	-	-	28
FRESHMEN,	-	-	-	-	-	-	-	-	50
Total,									141

ABBREVIATIONS

E. C.	-	-	-	-	-	East College
W. C.	-	-	-	-	-	West College
A. H.	-	-	-	-	-	Alumni Hall

COMMENCEMENT WEEK

JUNE 17-22, 1893

SATURDAY, JUNE 17th

8:00 P. M. Concert of University Glee and Banjo Clubs

SUNDAY, JUNE 18th

10:30 A. M. Baccalaureate Sermon by Dean ANDREWS

7:30 P. M. Missionary Sermon by Rev. EDWARD N. PACKARD, D. D.
of Syracuse, N. Y.

MONDAY, JUNE 19th

3:00 P. M. Kingsford Prize Declamations

7:30 P. M. Oration before the Phi Beta Kappa Society, by Prof.
HENRY A. FRINK, Ph. D., of Amherst College

TUESDAY, JUNE 20th

9:00 A. M. Meetings of the Boards of Trustees

10:00 A. M. Graduating Exercises of Colgate Academy

3:00 P. M. Class of 1884 Prize Debate

7:30 P. M. Seventy-sixth Anniversary of the Baptist Education Society of the State of New York. Addresses by Rev. S. T. FORD, of Syracuse, and Rev. J. W. A. STEWART, of Rochester

WEDNESDAY, JUNE 21st

10:00 A. M. Theological Seminary Commencement, Address to the Graduating Class by Professor JONES

2:00 P. M. Business Meeting of the Phi Beta Kappa

3:00 P. M. Class-Day Exercises

5:00 P. M. Laying of Corner-Stone of New Gymnasium

7:30 P. M. Meeting of the Alumni Association

9:00 P. M. Promenade Concert

THURSDAY, JUNE 22d

0:00 A. M. University Commencement

1:00 P. M. Alumni Dinner

8:00 P. M. '93 Class Supper

COMMENCEMENT EXERCISES

Thursday, June 22, 1893

INVOCATION

MUSIC

ORATION War Songs

MR. BRYAN

ORATION The Spirit of Unrest

MR. FITCH

ORATION The Means to Self Realization

MR. HOWE

Music

ORATION The Trend of Papacy

MR. LANG

ORATION America, the Land of Destiny

MR. LEONARD

ORATION The Lower Classes of the Great Cities

MR. McLELLAN

Music

ORATION "Spears Turned into Pruning-Hooks"

MR. PARSONS

ORATION Universal Suffrage

MR. P. H. SMITH

Music

ORATION The Spirit of Intolerance in Modern Life

MR. WHITE

ORATION The Moral Hero of To-day

MR. WOOD

Music

CONFERRING OF AWARDS AND DEGREES

Benediction

DEGREES

CONFERRED JUNE 22, 1893

Ph. B.

JAMES SYDNEY LEONARD	<i>Hamilton.</i>
PRESTON HOPKINS SMITH	<i>Hamilton.</i>

B. S.

FRANK ORSON BELDEN	<i>Castile.</i>
WALTER BERGEN PARSONS	<i>Red Bank, N. J.</i>

A. B.

WALTER VALENTINE BACON	<i>Leyden.</i>
GEORGE BRAKER, JR.	<i>Brooklyn.</i>
LEWIS ELLSWORTH BROKAW	<i>New Market, N. J.</i>
THOMAS JOSEPH BRYAN	<i>Boston, Mass.</i>
FRED EUGENE COBURN	<i>Lowell, Mass.</i>
ADOLPH FREDERICK ERDMANN	<i>Brooklyn.</i>
EVERETT HENRY FITCH	<i>Noank, Conn.</i>
DWIGHT DANA HARMON	<i>Lawrenceville.</i>
JUDSON COOPER HENDRICKSON	<i>Mexico.</i>
SHERMAN LORENZO HOWE	<i>East Dover, Vt.</i>
GEORGE WELLS LANG	<i>Skaneateles.</i>
ROBERT INGLIS McLELLAN	<i>Glasgow.</i>
HIRAM BENJAMIN PETTES	<i>Towanda, Pa.</i>
WILL BERTRAND SMITH	<i>Brattleboro, Vt.</i>
WILLIAM FRANK WHITE	<i>Hamilton.</i>
IDELL HARTSON WOOD	<i>Boonton, N. J.</i>

A. M. (In Course)

EDWARD ELLERY	<i>Saxton's River, Vt.</i>
JOHN SOREN FESTERSON	<i>Nora Springs, Iowa.</i>
FRANK AMNER GALLUP	<i>Hamilton.</i>
HENRY JOHN GULLER	<i>Hamilton.</i>
ROBERT TAYLOR GUERNSEY	<i>Hamilton.</i>
CLARENCE EVERETT HAWORTH	<i>Highland Park, Ill.</i>
SAMUEL CLINTON HOOD	<i>Hamilton.</i>
HENRY PATRICK HYLAND	<i>Rome.</i>
GEORGE FRANK JOHNSON	<i>Norwich.</i>
ELMER ELIAS KNAPP	<i>Hamilton.</i>
FRED MANNVILLE LOOMIS	<i>Kenwood.</i>
WILLIAM LUTHER MAYNARD	<i>Mt. Pleasant, Pa.</i>
ISAAC DAVIS MOORE	<i>Chester, Pa.</i>
CHARLES EDWIN SPENCER	<i>Euclid.</i>
ALBERT JUDSON STEELMAN	<i>City of Mexico, Mexico.</i>
HOMER JEROME VOSBURGH	<i>Lincoln, Ill.</i>
DWIGHT BREWSTER WILLIAMS	<i>Hightstown, N. J.</i>

D. D.

REV. BYRON A. WOODS	<i>Philadelphia, Pa.</i>
---------------------	--------------------------

LL. D.

PRESIDENT JOHN P. GREENE, D. D.	<i>Liberty, Mo.</i>
---------------------------------	---------------------

HONORS

PHI BETA KAPPA

The following members of the Class of 1893 were admitted to Phi Beta Kappa:

EVERETT HENRY FITCH
SHERMAN LORENZO HOWE
GEORGE WELLS LANG
WILLIAM FRANK WHITE
IDELL HARTSON WOOD

The Lewis Commencement Oration Prizes

WILLIAM FRANK WHITE	<i>First</i>
WALTER BERGEN PARSONS	<i>Second</i>

Committee of Award:

Rev. BYRON A. WOODS, D. D., Philadelphia, Pa.
WILLIS E. FORD, M. D., Utica
Rev. ANDREW K. FULLER, Rondout
Rev. WALLACE H. BUTRICK, Albany
Professor CHARLES J. GALPIN, Belleville

The Clarke Oration Prize

WILLIAM FRANK WHITE

Committee of Award:

Professor ARTHUR JONES, Hamilton
Professor ALBERT PERRY BRIGHAM, Hamilton
Rev. CORNELIUS S. SAVAGE, Hamilton

The Class of 1884 Debate Prizes

WILLIAM FRANK WHITE
PRESTON HOPKINS SMITH

First
Second

Committee of Award:

Rev. HENRY H. PEABODY, D. D., Rome
Rev. WILLIAM J. QUINCY, Hudson
LEWIS S. BURCHARD, ESQ., New York

The Lawrence Chemical Prizes

HARRY EMORY NEWELL
ALBERT EDWIN LARKIN

First
Second

Committee of Award, Professor EDWARD HART, Ph. D., Lafayette College

The Lasher Essay Prizes

MILLER MOORE FOGG, JR.
MERRILL JAY BLANDEN

First
Second

Committee of Award, Professor WILLIAM CLEAVER WILKINSON, D. D., University of Chicago

The Allen Essay Prizes

MARKHAM WINSLOW STACKPOLE
JOHN WILLIAM GRIFFITH

First
Second

Committee of Award, Professor JAMES MORGAN HART, A. M., J. U. D., Cornell University

The Baldwin Greek Prizes

JOHN BENJAMIN ANDERSON
HERBERT DANIEL WINTERS

First
Second

Committee of Award, Professor C. R. WILLIAMS, Indianapolis, Ind.

The Osborn Mathematical Prizes

WAYLAND MORGAN CHESTER
JOHN HOPKINS LEETE
EMANUEL SCHMIDT

First
Second
Third

Committee of Award, Professor JOHN R. FRENCH, LL. D., Syracuse University

The Sophomore Latin Prizes

JOHN BENJAMIN ANDERSON
DANIEL HUNT CLARE

First
Second

Committee of Award, Professor George O. HOLBROOKE, Trinity College

The Kingsford Declamation Prizes

CLASS OF 1894

FRED TOWER GALPIN
JOHN HOPKINS LEETE

First
Second

CLASS OF 1895

JOHN WILLIAM GRIFFITH
ABBOTT REVERE WALKER

First
Second

CLASS OF 1896

CHARLES ELMENDORF MILLS
CYRUS WILLIAM NEGUS

First
Second

Committee of Award:

Rev. SMITH T. FORD, Syracuse
Rev. LEONARD W. CRONKHITE, Bassein, Burmah
Rev. ARTEMUS W. REYNOLDS, New Haven, Conn.

The Dodge Entrance Prizes

CLASS OF 1897

1. Awarded to students prepared for college

at

Colgate Academy

KENDALL PROCTOR SMITH
FRANCIS WAYLAND GODDARD
ARTHUR JOHN HAGGETT

First
Second
Third

2. Awarded to the student passing the best entrance examination of those prepared at secondary schools other than Colgate Academy

ROBERT GILLIN SEYMOUR, JR.

prepared at Central High School, Philadelphia, Pa.

The Alumni Association

The membership of this Association is composed of Graduates from any one of the courses of study in Colgate University or Hamilton Theological Seminary, and of such persons as have received Honorary Degrees from the University, and who after application, are elected at the Annual Meeting. It also includes Associate Members duly elected at the Annual Meeting.

Officers for 1893-1894

PRESIDENT

HON. WILLIAM H. BRIGHT, ('70) Utica, N. Y.

VICE PRESIDENTS

HENRY THOMPSON, ESQ., ('72)	New York
REV. SAMUEL H. ARCHIBALD, ('73)	Wallingford, Vt.
PROF. CHARLES H. DOUGLAS, ('85)	Hartford, Conn.
HERBERT J. SMITH, ('88)	Hamilton, N. Y.

SECRETARY

CHARLES W. UNDERHILL, A. M., ('62) Hamilton, N. Y.

TREASURER

PROF. JAMES M. TAYLOR, LL. D., ('67) Hamilton, N. Y.

ORATOR

REV. WARREN G. PARTRIDGE, ('78) Scranton, Pa.

ALTERNATE

CEYLON H. LEWIS, ESQ., ('73) Syracuse, N. Y.

NECROLOGIST

REV. RILEY A. VOSE, Utica, N. Y.

1893

CALENDAR

1894

SEPTEMBER

S	M	T	W	T	F	S
					I	2
3	4	5	6	7	8	9
10	11	12	13	O	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JANUARY

S	M	T	W	T	F	S
	I	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

MAY

S	M	T	W	T	F	S
		I	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

SEPTEMBER

S	M	T	W	T	F	S
						I
2	3	4	5	6	7	8
9	10	11	12	O	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

OCTOBER

S	M	T	W	T	F	S
	I	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY

S	M	T	W	T	F	S
					I	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

JUNE

S	M	T	W	T	F	S
						I
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	C	22
23	24	25	26	27	28	29

OCTOBER

S	M	T	W	T	F	S
	I	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

NOVEMBER

S	M	T	W	T	F	S
				I	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

MARCH

S	M	T	W	T	F	S
					I	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JULY

S	M	T	W	T	F	S
	I	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

NOVEMBER

S	M	T	W	T	F	S
					I	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

DECEMBER

S	M	T	W	T	F	S
					I	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	X	21	22	23
24	25	26	27	28	29	30
31						

APRIL

S	M	T	W	T	F	S
	I	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

AUGUST

S	M	T	W	T	F	S
					I	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

DECEMBER

S	M	T	W	T	F	S
						I
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	X	21	22
23	24	25	26	27	28	29
30	31					

C—Commencement.

O—Opening of Fall Term.

X—Close of Fall Term.

University Calendar

1893.

<i>September 14.</i>	Fall Term commenced, Thursday.
<i>December 18-20.</i>	Term-Examinations, Monday, Tuesday, Wednesday.
<i>December 20.</i>	Fall Term closed, Wednesday.

CHRISTMAS VACATION

1894.

<i>January 4.</i>	Winter Term commenced, Thursday.
<i>January 6.</i>	Special Examinations, Saturday.
<i>January 25.</i>	Day of Prayer for Colleges, Thursday.
<i>February 22.</i>	Holiday, (Washington's Birthday).
<i>March 7.</i>	Clarke Prize Orations presented, Wednesday noon.
<i>March 26-28.</i>	Term-Examinations, Monday, Tuesday, Wednesday.
<i>March 28.</i>	Winter Term closes, Wednesday.

VACATION OF ONE WEEK

<i>April 5.</i>	Spring Term commences, Thursday.
<i>April 7.</i>	Special Examinations, Saturday.
<i>April 7.</i>	Osborn Mathematical Prize Examination, Saturday.
<i>April 11.</i>	Lasher and Allen Prize Essays presented, Wednesday noon.
<i>April 13.</i>	Clarke Prize Exhibition, Friday.

<i>May 10.</i>	Commencement Orations presented, Thursday noon.
<i>May 30.</i>	Holiday, (Decoration Day,) Wednesday.
<i>June 2.</i>	Sophomore Latin Prize Examination, Saturday.
<i>June 6.</i>	Lawrence Chemical Prize Examination, Wednesday afternoon.
<i>June 9.</i>	Baldwin Greek Prize Examination, Satur- day.
<i>June 12, 13.</i>	Examinations of the Senior Class, Tues- day, Wednesday.
<i>June 13-15.</i>	Term Examinations, Wednesday, Thurs- day, Friday.
<i>June 18, 19.</i>	First Entrance-Examinations, Monday, Tuesday.
<i>June 18.</i>	Kingsford Prize Declamation, Monday afternoon.
<i>June 19.</i>	Anniversary of Colgate Academy, Tues- day morning.
<i>June 19.</i>	Class of 1884 Prize Debate, Tuesday afternoon.
<i>June 19.</i>	Meeting of University and Education Boards, Tuesday.
<i>June 19.</i>	Meeting of Education Society, Tuesday evening.
<i>June 20.</i>	Anniversary of the Seminary, Wednesday morning.

- June 20.* Meeting of the Alumni Association,
Wednesday evening.
- June 21.* SEVENTY-FOURTH COMMENCEMENT of
Colgate University, Thursday.

VACATION OF TWELVE WEEKS

- September 11-13.* Second Entrance-Examinations, Tues-
day, Wednesday, Thursday.
- September 13.* Fall Term commences, Thursday.
- September 15.* Special Examinations, Saturday.
- November 6.* Holiday, (Election Day,) Tuesday.
Thanksgiving Recess, Thursday, Friday,
Saturday.
- December 18-20.* Term-Examinations, Tuesday, Wednes-
day, Thursday.
- December 20.* Fall Term closes.

CHRISTMAS VACATION

INDEX

Abbreviations, 99.

Absences, Regulations concerning, 85.

Admission to Freshman Class, requirements for, 55; Advanced Standing, 58; to Special Courses, 59; by Certificate, 60.

Æschylus, Courses in, 16.

Aid to Students, 75.

Allen Essay Prizes, 79; Awarded, 105.

Alumni Hall, 68.

Alumni Association, Officers of, 107; Requirements for Membership in, 107.

American History, Courses in, 37.

American Literature, Courses in, 23.

Anglo-Saxon, Courses in, 22.

Arabic, Course in, 19.

Aramaic, Courses in, 19.

Aristophanes' "Clouds," Course in, 16.

Aristotle, Course in, 17.

Art, History of, Course in, 38.

Arts, Course in, 43; Synopsis of, 44-53.

Assyrian, Courses in, 19.

Astronomy, Course in, 31; University Extension, Course in, 64.

Bachelors' Degrees, 43; Synopses of Requirements for, 44.

Bacon, Course in, 20.

Baldwin Greek Prizes, 79; Awarded, 105.

Baptist Education Society, 5, 74, 76.

Baptist Historical Collection, 69, 70.

Beowulf, Course in, 22.

Biblical Literature; University Extension, Courses in, 62.

Board, 75.

Botany, Courses in, 34.

Brooks Collection, 72.

Browning, Course in, 23.

Buildings and Grounds, 67.

Burns, Course in, 21.

Byron, Course in, 21.

Calculus, Courses in, 29, 30.

Calendar, 1893-4, 108; University, 109.

Campus, The, 67.

Catullus, Course in, 14.

Chaucer, Courses in, 20.

Chemical Laboratory, The, 68.

Picture of, facing 83.

Chemistry, Courses in, 34; University Extension, Courses in, 62;

Required for Admission, 58; Ex-

penses of Courses, 75; Prizes,

80; Award of Prizes, 105.

Chemistry and Mineralogy, Depart-

ment of, 34; Equipment of De-

partment, 68.

Christianity, Evidences of, Course

in, 40.

Cicero, Courses in, 13, 14,

Clarke Oration Prize, 81; Award of,

104.

Class of '84 Debate Prize, 81; Award

of, 105.

Coleridge, Course in, 21.

Colgate Academy, 6, 41.

Colgate Library, 69.

Colgate Library Building, 69.

Picture of, facing 69.

Colgate University, Historical

Sketch, 5; Press Club, 69.

Colleges, East 68, West, 67.

Commencement Week, Program of

100; Exercises of 1893, 101; Prize,

82; Award of, 104.

Committee, Executive, 8.

- Corporation of the University, 7; Officers of, 8.
 Courses of Study, 12-42.
 Synopsis of, 44-53.
 Courses, Special, Admission to, 59.
Debate, Prizes, 81; Award of, 105.
 Declamation, Courses in, 27; Prizes, 78; Award of, 106.
 Degrees, Bachelors', 43; Masters', 54; Conferred in 1893, 102, 103.
 Delinquents, Examination of, 83-85.
 Demosthenes, Course in, 17.
 Determinants, Course in, 30.
 Dickens, Course in, 23.
 Dodge Collection, 70; Dodge Entrance Prizes, 78; Award, 106.
 Douglass Herbarium, 72.
 Dryden, Course in, 21.
East College, 68.
 Eaton Hall, 6.
 Education, History, Course in, 41; Institutes, 41; Methods, 42; Reading of Classics, 42; Seminary in, 42.
 Education Society, The, 5; Scholarships, 76.
 Elective Studies, Choice of, 84; Statement of, 45, 46, 47, 49, 50, 52, 53.
 Eliot, George, Course in, 23.
 Elizabethan Literature, Course in, 20.
 Elizabethan Drama, Course in, 20.
 English History, Course in, 37.
 English Literature, Department of, 19; Courses in, 20-23; University Extension, Courses in, 62; Chaucer, 20; Elizabethan Literature, 20; Elizabethan Drama, 20; Shakspeare, 20; Eighteenth Century Poetry, 21; Eighteenth Century Prose, 21; Romantic Poetry, 21; Nineteenth Century Prose, 21; Anglo-Saxon, 22; Anglo-Saxon Poetry, 22; Beowulf, 22; Early English, 22; Prose Fiction, 23; Victorian Poetry, 23; American Literature, 23.
 Ethics, Christian, Courses in, 39, 40.
 Ethiopic, Course in, 18, 19.
 Euripides, Course in, 16.
 Evidences of Christianity, Course in, 40.
 Examinations, Entrance, 59; Term, 83; for Delinquents, 83, 84.
 Expenses, 74.
 Executive Committee, 8.
Faculty, The, 9.
 Forensics, Course in, 28; Prize, 81; Award of, 105.
 French, Courses in, 25, 26; for Admission, 57, 58; Revolution, 37.
 Freshman Class, Admission to, 53; Students in, 95.
Gellius, 13.
 Geology, and Natural History, 31.
 Geology, Courses in, 32, 33; University Extension, Courses in, 64.
 German, Courses in, 24; for Admission, 57, 58; University Extension Courses in, 63.
 Goethe, Courses in, 24, 25.
 Government, 83.
 Government Document Collection, 69.
 Graduate Courses, 54.
 Graduates, Resident, 54; Non-resident, 54.
 Graduation, Requirements for, 43.
 Greek, Department of, 15; Courses in, 15-18; University Extension, Courses in, 62; New Testament, Courses in, 17; for Admission, 57; Philosophy, History of, Course in, 17; Prizes, 79; Award of Prizes, 105.
 Grounds and Buildings, 67.
 Gymnasium, The, 71; Picture of, facing 71.
Hamilton, 5; Pictures of, (frontispiece); Map, (cover).
 Hamilton Literary and Theological Institution, 5.

- Hamilton Theological Seminary, 6.
 Hebrew, Courses in, 18, 19.
 Hellenistic Greek, Course in, 17.
 Herodotus, Course in, 15.
 History, Courses in, 37; for Admission, 56, 57, 58; University Extension, Courses in, 65; American, Courses in, 37; of Greek Philosophy, Course in, 17; of Modern Philosophy, 40; Department of, 37; of Art, 38; of English Literature, 19; of Education, 41.
 Honors for 1893, 104.
 Horace, Courses in, 13.
 Horace and Catullus, Course in, 14.
Iliad, Course in the, 15.
 Inquiry, Society of, 73.
 Institutions of Middle Ages, Course in, 37.
 Isaac Davis Section, 70.
Junior Class, Students in, 89.
 Juvenal and Persius, Course in, 14.
Keats, Course in, 21.
 Kingsford Declamation Prizes, 78; Award of Prizes, 106.
Laboratory, Chemical, 68.
 Lasher Essay Prizes, 80; Award of Prizes, 105.
 Latin, Department of, 13; Courses in, 13, 14; for Admission, 56; Prizes, 79; Award of Prizes, 106;
 Laurie Club, The, 42.
 Lawrence Chemical Prizes, 80; Award of Prizes, 105.
 Lessing, Courses in, 24.
 Letters and Philosophy, Courses in, 43; Synopsis of, 48-50.
 Letters and Science, Courses in, 43; Synopsis of, 51-53.
 Lewis Commencement Prize, 82; Award of, 104.
 Library, Building, 69; Picture of, facing 69; University, 69; Special Collections in, 70; Staff, 11.
 Literature, Courses in, English, 20; American, 23.
 Logic, Course in, 39.
 Lucian, Course in, 16.
Madison University, 5; Grammar School of, 5.
 Masters' Degrees, 54.
 Material Equipment, 67.
 Mathematics, Pure, Department of, 29; Courses in, 29, 30; University Extension in, 62; for Admission, 55; Prizes in, 79; Award of Prizes in, 105.
 Mediæval History, Course in, 37.
 Memorabilia, Xenophon's, Course in, 16.
 Middle Ages, Institutions of, Course in, 37.
 Milton, Course in, 20.
 Mineralogy, Courses in, 36.
 Ministerial Students, Aid to, 74, 76.
 Mishnaic, Course in, 19.
 Modern Greek, Course in, 18.
 Modern Languages, Department of, 23; for Admission, 57; University Extension, Courses in, 63, 64.
 Molière, Course in, 26.
 Museum of Geology and Natural History, Collections in, 72, 73.
 Mythology, Greek, 15.
New Testament Greek, Course in, 17.
 Nineteenth Century History, Course in, 37.
Odyssey, Course in, 15.
 Officers of the University Corporation, 8.
 Orations, Course in, 27; Prizes, 81, 82; Award of, 104.
 Oratory, See Public Speaking, 27, 28.
 Organization, 12.
 Osborn Mathematical Prizes, 79; Award of, 105.

- Pedagogy**, Department of, 40; Courses in, 41, 42; University Extension, Courses in, 65; School Organization and Management, 42; Reading of Classics, 42; Seminary, 42; Laurie Club, 42.
- Palæontology, 33.
- Persius, Juvenal and, Course in, 14.
- Phædrus, Course in, 14.
- Phi Beta Kappa, 104.
- Philology, Comparative, 19; Semitic, 19; Course in, 19.
- Philosophy, Department of, 39; Courses in Letters and, 43, 48-50; Greek, History of, Course in, 17; University Extension, Courses in, 64.
- Physical Culture, Department of, 71.
- Physics, Course in, 31.
- Physics and Astronomy, Department of, 31; Courses in, 31; University Extension Courses in, 64.
- Physiology and Hygiene, for Admission, 56.
- Plato, Course in, 17.
- Plautus and Terence, Course in, 14.
- Pliny, Course in, 14.
- Political Economy, Department of, 38.
- Post-Graduate Studies, 54.
- Press Club, Colgate, 27, 69.
- Prizes, 78; Award of, 104-106.
- Psychology, Course in, 39.
- Public Speaking, Courses in, 27, 28.
- Quaternions**, Course in, 30.
- Reformation** and Renaissance, History of, Course in, 37.
- Regulations, Special, 83.
- Religious Societies, 71.
- Renaissance and Reformation, History of, Courses in, 37.
- Requirements for Admission, 55.
- Requirements for Graduation, 43.
- Resources and Aid, 75.
- Rhetoric, Courses in, 26; Required for Admission, 55-58; University Extension, Courses in, 62.
- Rhetoric and Public Speaking, Department of, 26; Courses in, 26-28; Advanced Rhetoric, 27; Press Club, 27; Declamations, 27; Orations, 27; Science of Public Speech, 28; Forensics, 28.
- Rome, Institutional History of, Course in, 37.
- Roman Literature, Course in, 14.
- Romans, Rhetoric and Oratory of, 14.
- Room Rent, 75.
- Rousseau, Course in, 26.
- Scholarships**, Education Society, 76; University, 76.
- Schiller, Courses in, 24, 25.
- Science, Courses in Letters and, 43; Synopsis of, 51-53; Equipment of Departments of, 68, 69; for Admission, 58.
- Scott, Courses in, 21, 23.
- Seminary Courses, Greek, 16, 18; American History, 37.
- Semitic History, 19.
- Semitic Languages, Department of, 18; Courses in, 18, 19; University Extension, Courses in, 63.
- Semitic Philology, Course in, 19.
- Senior Class, Students in, 86.
- Shakspere, Courses in, 20.
- Shelley, Course in, 21.
- Socialism, Contemporary, Course in, 38.
- Societies, Religious, 73.
- Society for Inquiry, 73.
- Socrates, Course on, 16.
- Sophocles, Course in, 16.
- Sophomore Class, Students in, 92.
- Sophomore Latin Prizes, 79; Award of, 106.
- Special Courses, Admission to, 59; Certificate of Attainments in, 84.
- Special Regulations, 83.

Spenser, Course in, 20.
 Standing, How Determined, 83.
 Students, Undergraduate, 86.
 Summary of Students, 99.
 Supreme Court, 6.

Tacitus, Course in, 14.
 Tennyson, Courses in, 23.
 Terence, Plautus and, Course in, 14.
 Thackeray, Courses in, 23.
 Thucydides, Course in, 15.

University, Colgate, Sketch of, 5 ;
 Grounds, 67 ; Library, 69-71 ;
 Corporation of, 7 ; Faculty of, 9 ;
 Calendar, 109.

University Extension, 61 ; Courses
 in, 62.

University of the State of New
 York, 6.

Victor Hugo, Course in, 26.

West College, 67.

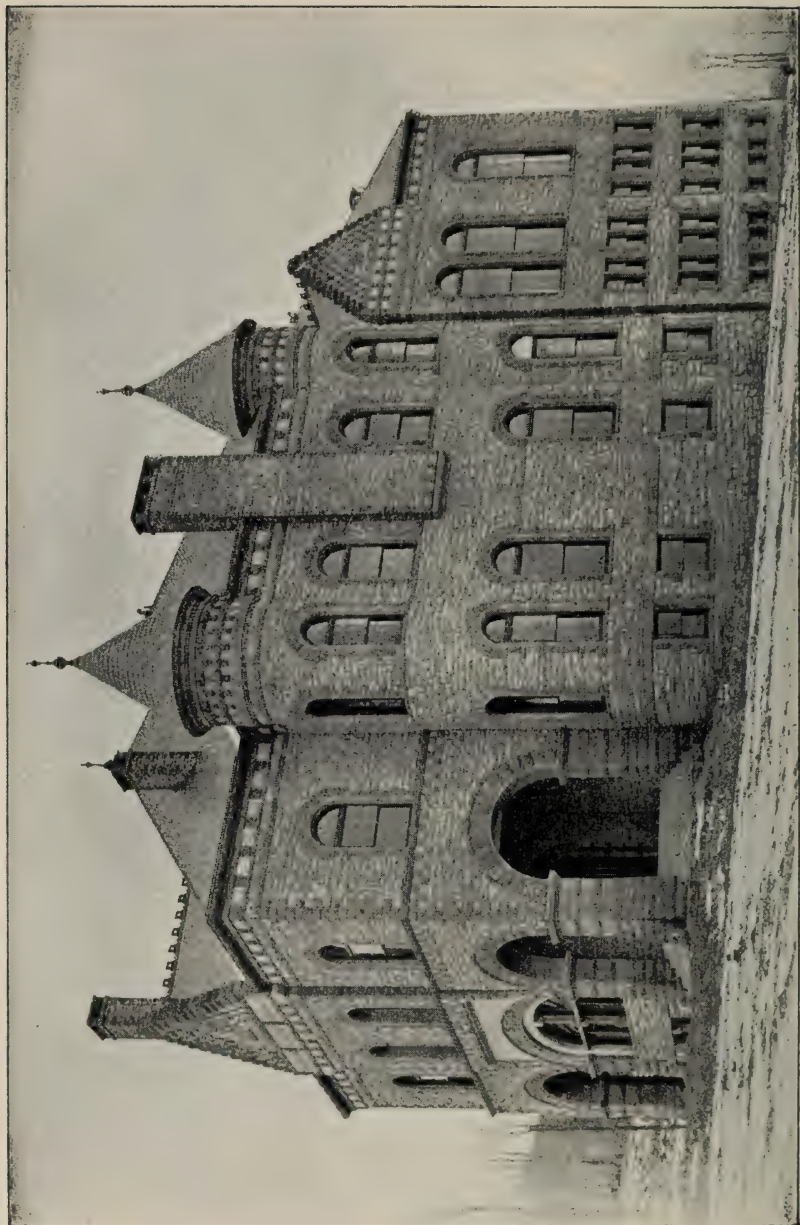
William Ward Memorial Collection,
 70.

Wordsworth, Course in, 21.

Xenophon's Memorabilia, Course
 in, 16.

Young Men's Christian Association,
 74.

Zoology, Courses in, 34.



THE COLGATE LIBRARY

COLGATE UNIVERSITY

DEPARTMENT OF LETTERS, SCIENCE, AND PHILOSOPHY

SEVENTY-FIFTH ANNUAL CATALOGUE

1894-1895



COLGATE UNIVERSITY PRESS

HAMILTON, N. Y.

CONTENTS

	PAGE
Colgate University	5
Corporation of Colgate University	7
Officers of the University Corporation	8
Executive Committee	8
University Faculty	9
Faculty of the College	10
Departments of Instruction	15-48
Department of Latin	15
Greek	17
Semitic Languages and Literature	21
English Literature	22
Modern Languages	27
Rhetoric and Public Speaking	30
Mathematics	32
Physics and Astronomy	34
Geology and Natural History	36
Chemistry and Mineralogy	39
History	42
Political Economy	43
History of Art	43
Philosophy	44
History, Theory, and Art of Education	46
Requirements for Graduation	49
Synopsis of Courses	50-59
Synopsis of Course I Arts	50
II Letters and Philosophy	54
III Letters and Science	57
Graduate Work	60
Requirements for Admission	62-67
Admission to Freshman Class	62
Admission to Advanced Standing	66
Admission to Special Courses	66
Entrance Examinations	66
Admission by Certificate	67

	PAGE
University Extension	68-72
Material Equipment	73-78
Resources and Aid	79-82
Endowment	79
Expenses	79
University Scholarships	80
The Education Society	82
Religious Societies	82
Prizes	83-88
Regulations	89-91
Students	92-102
Commencement Week, 1894	103
Commencement Exercises, 1894	104
Degrees Conferred, 1894	105-106
Honors	107-109
Alumni Association	110
Calendar	111
University Calendar	112-114
Index	115

COLGATE UNIVERSITY

COLGATE UNIVERSITY is the name of the institution which from 1818 to 1846 was known as the Hamilton Literary and Theological Institution, and from 1846 to 1890, as Madison University. It is located at Hamilton, New York. It is the child of the Baptist Education Society of the State of New York, and was originally founded for the purpose of preparing young men for the Christian ministry, being the first school established by Baptists in America distinctively for ministerial education. The first students came early in the year 1818, a charter was obtained March 5th, 1819, and the school was formally opened May 1st, 1820. The course of study took form gradually, and not until 1829 was it regularly organized to cover four years. In 1832 it was extended to six years, and in 1834 two years more were added. The preparation for the ministry remained the purpose of the Institution for nearly twenty years, but in 1839 it was opened to young men who were looking to other professions.

In 1846 a new corporation was formed, and full university powers and privileges were granted. The new body assumed the name of Madison University and from that time controlled the collegiate department, leaving the theological department, as before, in the hands of the Education Society. In 1853 the Grammar School was organized, under the care of the University Board, and in 1873 this preparatory school received the name of Colgate Academy, and soon entered a separate building, where it has grown to be a strong and successful institution. In 1886 the Hamilton Theological Seminary also entered a building of its own, known as Eaton Hall, and became possessed of a stronger and more independent life. The name, Colgate University, though not received till after the death of President Dodge, is really his last gift. The change was approved by the University of the

State of New York, March 13th, and by the Supreme Court, April 22d, 1890. By the compact between the Baptist Education Society of the State of New York and the Corporation of Colgate University, entered into in June, 1893, the Seminary has become a Department of Colgate University. The administration of the Seminary has been placed in the hands of the Board of Trustees of the University. At the same time the Seminary continues to sustain vital relations to the Education Society, and, through it, to the churches of the Baptist denomination.

There are now, therefore, three schools : the Academy, the College, and the Theological Seminary. All are united under a general administration, although each has its own organization, and each is free to develop its own life and to pursue its own special aims. The purpose of the founders to train young men for the Christian ministry has never been neglected by their successors, but the students of the college have in view a great variety of callings, and its alumni are found in all walks of life.

CORPORATION OF THE UNIVERSITY

JAMES B. COLGATE, President, New York.

DAVID A. MUNRO, Camillus.

SAMUEL COLGATE, New York.

PROFESSOR P. B. SPEAR, D. D., Hamilton.

EDWARD LATHROP, D. D., New York.

HOSMER H. KEITH, Esq., Sioux Falls, S. D.

PROFESSOR ALBERT S. BICKMORE, Ph. D., New York.

JOHN C. HOYT, Utica.

LEONARD W. CRONKHITE, Sandy Hill.

ISAAC JOHNSON, Yonkers.

RUSSEL WHEELER, Utica.

THOMSON KINGSFORD, Oswego.

ISAAC E. GATES, Orange, N. J.

LEWIS E. GURLEY, Troy.

FRANCIS T. PIERCE, Hamilton.

DANIEL W. SKINNER, Hamilton.

GEORGE A. WOOLVERTON, Albany.

JOHN THORN, Utica.

JAMES C. COLGATE, Esq., Secretary, New York.

GEORGE L. STEDMAN, Esq., Albany.

HENRY M. SANDERS, D. D., New York.

GARDNER COLBY, Orange, N. J.

JOHN J. JONES, Orange, N. J.

GEORGE W. STEDMAN, Esq., Albany.

ABRAHAM C. OSBORN, D. D., Albion.

WILLIAM T. HENRY, D. D., Elmira.

THOMAS P. KINGSFORD, Oswego.

OFFICERS OF THE UNIVERSITY CORPORATION

JAMES B. COLGATE, PRESIDENT.

JAMES C. COLGATE, SECRETARY.

WILLIAM R. ROWLANDS, TREASURER, Hamilton.

EXECUTIVE COMMITTEE

EDWARD LATHROP, D. D., New York.

PROFESSOR ALBERT S. BICKMORE, Ph. D., New York.

JAMES C. COLGATE, Esq., New York.

HENRY M. SANDERS, D. D. New York.

GARDNER COLBY, Orange, N. J.

UNIVERSITY FACULTY

PRESIDENT

PHILETUS BENNETT SPEAR, D. D.,
PROFESSOR EMERITUS OF HEBREW AND LATIN

ALEXANDER McWHORTER BEEBEE, D. D.,
PROFESSOR OF LOGIC AND PROFESSOR EMERITUS OF HOMILETICS

NEWTON LLOYD ANDREWS, PH. D., LL. D.,
PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE, DEAN OF
THE COLLEGE FACULTY

JAMES MORFORD TAYLOR, LL. D.,
PROFESSOR OF MATHEMATICS, CHAIRMAN OF THE UNIVERSITY
FACULTY

WILLIAM HALE MAYNARD, D. D.,
PROFESSOR OF POLITICAL ECONOMY AND ECCLESIASTICAL HISTORY

SYLVESTER BURNHAM, D. D.,
PROFESSOR OF OLD TESTAMENT INTERPRETATION, DEAN OF
THE THEOLOGICAL FACULTY

JOSEPH FRANK MCGREGORY, A. M., F. C. S.,
PROFESSOR OF CHEMISTRY AND MINERALOGY

WILLIAM HENRY CRAWSHAW, A. M.,
PROFESSOR OF ENGLISH LITERATURE

NATHANIEL SCHMIDT, A. M.,
PROFESSOR OF SEMITIC LANGUAGES AND LITERATURE

WILLIAM NEWTON CLARKE, D. D.,
J. J. JOSLIN PROFESSOR OF CHRISTIAN THEOLOGY

ROBERT WEBBER MOORE, PH. B.,
PROFESSOR OF FRENCH AND GERMAN

ALBERT PERRY BRIGHAM, A. M.,
PROFESSOR OF GEOLOGY AND NATURAL HISTORY

DAVID FOSTER ESTES, A. M.,
PROFESSOR OF NEW TESTAMENT INTERPRETATION

ARTHUR JONES, A. B.,
PERRY PROFESSOR OF HOMILETICS

* ERNEST FOX NICHOLS, B. S.,
PROFESSOR OF PHYSICS

GEORGE WILLIAM SMITH, A. B., LL. B.,
PROFESSOR OF HISTORY

JOHN GREENE, PH. D.,
PROFESSOR OF LATIN

RALPH WILMER THOMAS, A. M.,
PROFESSOR OF RHETORIC AND PUBLIC SPEAKING, SECRETARY
FOR UNIVERSITY EXTENSION, ACTING LIBRARIAN

CHARLES HERBERT THURBER, A. M.,
PROFESSOR OF THE HISTORY, THEORY AND ART OF EDUCATION,
PRINCIPAL OF COLGATE ACADEMY

* In Europe on leave of absence.

WILLIAM BAIRD ELKIN, PH. D.,
ASSOCIATE PROFESSOR OF PHILOSOPHY

ALBERT COOK MCGREGORY, PH. D.,
ACTING PROFESSOR OF PHYSICS

FACULTY

PRESIDENT

PHILETUS BENNETT SPEAR, D. D.,
PROFESSOR EMERITUS OF HEBREW AND LATIN

ALEXANDER McWHORTER BEEBEE, D. D.,
PROFESSOR OF LOGIC

NEWTON LLOYD ANDREWS, PH. D., LL. D.,
PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE,
DEAN OF THE FACULTY

JAMES MORFORD TAYLOR, LL. D.,
PROFESSOR OF MATHEMATICS

WILLIAM HALE MAYNARD, D. D.,
PROFESSOR OF POLITICAL ECONOMY

JOSEPH FRANK MCGREGORY, A. M., F. C. S.,
PROFESSOR OF CHEMISTRY AND MINERALOGY

WILLIAM HENRY CRAWSHAW, A. M.,
PROFESSOR OF ENGLISH LITERATURE

NATHANIEL SCHMIDT, A. M.,
PROFESSOR OF SEMITIC LANGUAGES AND LITERATURE

ROBERT WEBBER MOORE, PH. B.,

PROFESSOR OF FRENCH AND GERMAN

ALBERT PERRY BRIGHAM, A. M.,

PROFESSOR OF GEOLOGY AND NATURAL HISTORY

* ERNEST FOX NICHOLS, B. S.,

PROFESSOR OF PHYSICS

GEORGE WILLIAM SMITH, A. B., LL. B.,

PROFESSOR OF HISTORY

JOHN GREENE, PH. D.,

PROFESSOR OF LATIN

RALPH WILMER THOMAS, A. M.,

PROFESSOR OF RHETORIC AND PUBLIC SPEAKING,

SECRETARY FOR UNIVERSITY EXTENSION

CHARLES HERBERT THURBER, A. M.,

PROFESSOR OF THE HISTORY, THEORY AND ART
OF EDUCATION

WILLIAM BAIRD ELKIN, PH. D.,

ASSOCIATE PROFESSOR OF PHILOSOPHY

ALBERT COOK MCGREGORY, PH. D.,

ACTING PROFESSOR OF PHYSICS

THOMAS JOSEPH BRYAN, A. B.,

ASSISTANT IN CHEMISTRY AND PUBLIC SPEAKING

* In Europe on leave of absence.

WILLIAM FRANK WHITE, A. B.,

ASSISTANT IN MATHEMATICS

WAYLAND MORGAN CHESTER, A. B.,

ASSISTANT IN GEOLOGY AND NATURAL HISTORY

SHERMAN LORENZO HOWE, A. B.,

ASSISTANT IN MATHEMATICS AND FRENCH

EDWARD HITCHCOCK JR., A. M., M. D.,

LECTURER ON HYGIENE

RALPH WILMER THOMAS, A. M.,

ACTING LIBRARIAN AND REGISTRAR

MAY FRANCES SMITH,

ASSISTANT LIBRARIAN

DEPARTMENTS OF INSTRUCTION

The officer in charge of each department is alone responsible for its aims and methods, and the efficiency of its work ; and, while holding certain definite and organic relations to the whole body of instructors, he is left independent to seek development in the constant improvement of methods, the enlargement of scope, and the addition of new facilities.

The following is a detailed statement of the methods and courses of instruction in the several departments of the college, prepared by the respective officers. Unless otherwise stated, each course occupies one term.

LATIN

The work of this department is intended to enable the student to read Latin with rapidity and accuracy, and to acquire, through the literature as far as possible, definite ideas of Roman life and culture. In the early part of the course, the essentials of syntax are reviewed and illustrated by exercises in prose composition based on Ciceronian Latin. Those who come so well prepared as not especially to need this work will be allowed under proper oversight to substitute extra reading, such as Cicero's *Brutus*, or *De Officiis*, or selections from the historians.

In the advanced courses, careful attention is given to the development of the language and literature, to the debt of the English language to the Latin tongue, and of all modern literatures to its great classics.

First Year

For Freshmen in Courses I and II

I. CICERO'S CATO MAJOR AND LÆLIUS. Four hours a week
Prose composition and sight-reading.

M.—W., 11 A. M., F., 10 A. M., Fall Term.

2. CICERO'S LETTERS. LIVY.

Special attention is given to Cicero's character, and his place in history and literature.

Tu.—F., 2:30 P. M., Winter Term.

3. THE ODES OF HORACE. GELLIUS (At sight.)

M.—W., 2:30 P. M., F., 9 A. M., Spring Term.

Second Year

For Sophomores in Course I

4. SATIRES AND EPISTLES OF HORACE.

The portions selected are grouped about significant topics so as to set the character of Horace, his literary canons, and the customs of his time in as vivid a light as possible

Selections from Catullus and the Elegiac Poets are also read. Wilkins' Primer of Roman Literature.

M., Tu., 10 A. M., Th., F., 11 A. M., Fall Term.

5. LETTERS OF PLINY. TACITUS. (Elective.)

M.—W., 9 A. M., Winter Term.

6. JUVENAL AND PERSIUS. Selections are made with reference to the light thrown upon Roman Life. (Elective.)

M.—W., 10 A. M., Spring Term.

Third Year

For Juniors and Seniors

7. The annotation of some suitable portion of a Latin author, including grammatical references, explanatory notes, parallel and illustrative quotations, and experiments in textual criticism. The time in the class room is devoted to a comparison and

criticism of the annotations with reference especially to their brevity, appositeness, and pedagogical value. (Elective.)

W., Th., 10 A. M., Fall Term.

8. PLAUTUS AND TERENCE. Historical syntax. (Elective.)

W.—F., 11 A. M., Winter Term.

9. SELECTIONS FROM CICERO'S PHILOSOPHICAL WORKS, together with a study in outline of the systems of philosophy prevalent in his time. (Elective.)

W.—F., 1:30 P. M., Spring Term.

This course will be offered again in 1896.

In alternate years, a course will be offered in the RHETORIC AND ORATORY OF THE ROMANS. This will include the study of significant passages from the *De Oratore* of Cicero, with collateral reading in the *Rhetorica ad Herennium*, the *Dialogus de Oratoribus*, and in Quintilian. The purpose of this course is to give a clear idea of the emphasis placed by the Romans upon oratory, of the elements of its power, and the causes of its decline.

This course is offered the present year.

GREEK

The ends primarily sought are intellectual discipline and literary culture. The translation of classic masterpieces is regarded as a most efficient means of developing the power of thought and expression, and as tending most surely to the acquisition of a correct and discriminating literary sense. Greek literature is also treated as revealing the peculiar genius of an exceptionally gifted people, who made important and permanent contributions to human civilization. The critical study of their language is deemed valuable, not only for mental training, but as leading up, through a knowledge of their literature and their life, to a just appreciation of the real significance of ancient Greece to the world.

All the courses in the Freshman year, and the work of the Fall Term in the Sophomore year, are prescribed. The courses of the second and third terms in the Sophomore year are elective. The other elective courses are open either to Juniors or to Seniors, and as the subjects offered are not the same in any two successive years, the study of Greek may be pursued, if desired, in every college term. Lectures upon Greek art are offered to Seniors.

First Year

For Freshmen in Course I or II

1. EPIC AND LYRIC POETRY. The *Odyssey* is taken up, or the later books of the *Iliad*. Special attention is given to the place of the Homeric Poems in literature, to the characteristics of the heroic age, and to certain phases of Greek mythology. The work in Homer is followed by selections from the Lyric Poets, regarded as marking a transitional stage in the development of the language, and as illustrating the beginnings of a more subjective, reflective tendency in the Greek mind.

M.—Th., 10 A. M., Fall Term.

2. HERODOTUS AND THUCYDIDES. Portions of these authors are read, with notice in the former of peculiarities of dialect, and in the latter of distinguishing features of style, while the mode of historical treatment in each is especially considered. Occasion is taken to give the class as clear an outline as possible of the history of the Greeks down to the age of Pericles, with a view of encouraging more extended study.

M., Tu., 10 A. M., Th., F., 9 A. M., Winter Term.

3. SOCRATES AND HIS AGE. The reading of Plato's *Apology* of Socrates, or parts of Xenophon's *Memorabilia*, serves for the study of Greek Life in the fifth century before Christ, and of the great personality that was so prominent a figure of the period. Regard is had both to the varied elements in the character of the people, and to the ethical side of Socrates' teachings.

M.—Th., 9 A. M., Spring Term.

Second Year

For Sophomores in Course I or II

4. THE TRAGEDIANS. Selected tragedies from Æschylus and Sophocles are read, and prelections from other plays are given, in order to secure as large acquaintance as possible with the Greek tragedians. The class prepare essays upon topics related to the study of the Greek drama, and upon Greek literature in general. In these essays, and in the discussions of the class room, the principal Greek authors are treated. In the reading of the dramatists the style and ethical spirit of each is especially considered.

M.—Th., 9 A. M., Fall Term.

5. EURIPIDES AND ARISTOPHANES. The earlier part of the term is given to the further study of Greek tragedy, as represented by Euripides. Aristophanes' *Clouds* is then taken up, not simply to enlarge the student's knowledge of the Greek stage, but to afford a fuller comprehension of those complex intellectual and moral movements of the times which are mirrored in the works of Aristophanes. In this course, as in that devoted to tragedy, comparisons will be indicated with the dramatic literature of the modern world. Readings from Lucian may accompany or be substituted for the work in Aristophanes. (Elective.)

M.—W., 9 A. M., Winter Term.

6. THE ORATORS. Demosthenes is studied, either in his *Oration on the Crown*, or in his *Olynthiacs* and *Philippics*. Attention is paid to the principles of oratory illustrated, to the governmental and social conditions favorable to eloquence, and to the distinctive qualities in the leading orators. Illustrative passages from various orators will be given by the professor, or will be assigned for special readings. Methods of legal procedure are considered, the diverse political institutions of the Greek states, and the general course of their later history. (Elective.)

M.—W., 10 A. M., Spring Term.

Third and Fourth Years

For Juniors and Seniors

7. **HELLENISTIC GREEK.** The study of this late, but important phase of the language, will be pursued by reading in alternate years selections from the New Testament, and selections from the Septuagint. These will be treated on the linguistic side. Opportunity for direct acquaintance with the former is deemed important for every student of Greek, while the latter will be of service to any who contemplate theological study. (Elective.)

Th., F., 11 A. M., Fall Term.

8. **PLATO AND ARISTOTLE.** The study of these authors will be pursued in alternate years. In Plato the *Phædo* will be read, or selections from his *Republic*: in Aristotle, portions of his *Ethics*. Regard will be had to the literary quality of these writers, but attention will chiefly be given to the subject-matter, with a view to preparing the student to investigate the general course of philosophic thought among the Greeks. (Elective.)

M.—W., 11 A. M., Winter Term.

9. **HISTORY OF GREEK PHILOSOPHY.** This course will be given in English, and will be offered to all Juniors. The aim will be to trace the progress of philosophic inquiry among the Greeks from Thales to the Neo-Platonists, to estimate its significance, and to show its bearing upon modern thought. A brief manual will be used as the basis of instruction. There will also be lectures by the professor, and essays will be prepared by the class. The seminary method will be used in part, and the students will have access to the best translations, as well as to various historical and critical treatises. (Elective.)

W.—F., 11 A. M., Spring Term.

10. **MODERN GREEK.** At the convenience of the officer, opportunity is offered to any who may desire it, for some acquaintance with Modern Greek.

Time of the exercise to be arranged on the organization of the class.

SEMITIC LANGUAGES AND LITERATURE

Courses 1 and 3 are offered to students in the Junior and Senior years. Courses 7 and 14 may be taken by students in the Senior year. Courses 2, 5, 6, 8, 10, 11 and 12 are open only to students who have already taken 1 or 3. Courses 4, 9 and 13 can be elected only by students who have already studied Hebrew and Arabic.

First Year

For Juniors and Seniors

1. HEBREW: (a) Orthography, Morphology, and Elements of Syntax (Harper); (b) Translation and Study of Genesis; (c) Sight-reading in Deuteronomy and Kings.

Tu.—F., 9 A. M. Three Terms.

Courses in 1894-1895

(The figures within the marks of parenthesis denote the number of hours per week; the hours are fixed from term to term and announced in the printed schedules of the Seminary.)

2. HEBREW: Ezekiel (2), Fall Term; Canticles and Ecclesiastes (2), Winter Term; Ezra, Nehemiah and Chronicles (2) Spring Term.
3. ARABIC: (a) Grammar (Lansing); (b) Arabic Version of the Bible (2), Fall Term.
4. ARABIC (advanced): (a) Syntax (Wright, Caspari); (b) the Quran (2), Winter Term.
5. MISHNAIC: (a) Grammar (Siegfried and Strack); (b) Pesachim (2), Spring Term.
6. PALESTINIAN ARAMAIC: (a) Grammar (Brown, Kautzsch); (b) Bible and Targums (2), Winter Term.

7. SEMITIC HISTORY : Babylonia and Assyria (2), Fall Term ; Syria and Mesopotamia (2), Winter Term ; Palestine 1500 B. C.-70 A. D. (2), Spring Term.

Courses in 1895-1896

8. HEBREW: (a) Prosody (Harper, Kautzsch, Wickes) ; (b) Interpretation of Job (2), Fall Term; Psalms (2), Winter Term ; The Yahwist (2), Spring Term.
9. ETHIOPIC : (a) Grammar (Praetorius, Dillmann); (b) Ascensio Isaiae (2), Fall Term.
10. CLASSICAL ARAMAIC (Syriac): (a) Grammar (Nestle, Nöldeke); (b) Peshitta ; (c) Specilegium Syriacum (2), Winter Term.
11. PALESTINIAN ARAMAIC: (a) Grammar (Brown, Kautzsch) ; (b) Bible and Targums (2), Winter Term.
12. ASSYRIAN: (a) Grammar (Lyon, Delitzsch); (b) Transliterated Texts ; (c) Cuneiform Inscriptions (2), Spring Term.
13. COMPARATIVE SEMITIC PHILOLOGY: (a) General Semitic Grammar (Wright, Nöldeke); (b) Comparative Study of the Hebrew, Aramaic, Samaritan, Arabic and Ethiopic Texts of Gen. i-iv (2), Spring Term.
14. SEMITIC HISTORY : Arabia (2), Winter Term.

ENGLISH LITERATURE

The objects sought in this department are mainly the following : *First*, a general knowledge of the historical development of the literature ; *second*, a particular acquaintance with the great literary periods, and with the most prominent authors in each ; *third*, an understanding of the principles of literary criticism, and of the laws that underlie the various forms of literary art ; *fourth*, a scientific knowledge of the origin and development of the English

language. These objects are sought, not merely for their own sake, but as the means of developing a broad culture and a thorough appreciation of a great literature.

First Year

For Sophomores in all Courses

1. CHAUCER. Chaucer is studied as the first great poet of the literature; and selections from his leading works are examined with special reference to their literary characteristics. The course is concluded with a brief survey of the poetry between Chaucer and the age of Elizabeth. The work is open to students who have made no previous study of the language.

Th., F., 9 A. M., Winter Term.

2. ELIZABETHAN LITERATURE. The non-dramatic literature of the age is studied through the masterpieces of representative authors, special attention being given to the chief works of Spenser, Bacon, and Milton. The work is carried on by means of lectures, discussions, and recitations, and is based upon a thorough course of literary, historical, and critical reading. This course, and the preceding are made the basis for the study of the fundamental principles of literary art.

M.—F., 3:30 P. M., Spring Term.

Second Year

For Juniors

3. ELIZABETHAN DRAMA. A historical and critical study of the rise, development, and characteristics of the drama in the time of Shakspeare. Certain representative dramas are analyzed and discussed with the class; and others are considered by means of critical essays. The study of the drama is supplemented by a course of collateral reading. (Elective.)

W, F., 2:30 P. M. Fall Term.

4. SHAKSPERE. A critical study of representative dramas of Shakspeare. Certain dramas are carefully examined by means of lectures. Others are then studied by the class, according to the methods thus illustrated, the several elements of each drama being treated by means of discussions and critical essays upon various topics. Effort is made to understand and appreciate the dramas studied, and to arrive through them at a better knowledge of Shakspeare's dramatic art, and of the principles of dramatic criticism. Part of the course is given to a study of Shakspeare's Sonnets and Poems. (Elective.)

M.—W., 2:30 P. M., Fall Term.

5. EIGHTEENTH CENTURY POETRY. A study of poetry from Dryden to Burns. Representative poems are carefully studied; the masterpieces of the most prominent poets are discussed in critical essays; and the development of the poetry of the age through its various phases is investigated. A knowledge of fundamental principles is assumed, and more attention is given to individual characteristics. (Elective.)

M.—W., 2:30 P. M., Winter Term.

6. EIGHTEENTH CENTURY PROSE. The representative prose writers of the century are studied by means of assigned reading, critical essays, and class room discussions; and the development of prose literature is traced. This course is intended to supplement the preceding, the aim of both being to present a comprehensive view of the literature of the age. (Elective.)

T.—F., 2:30 P. M., Winter Term.

7. ROMANTIC POETRY. A study of the poetry of the early part of the nineteenth century. Special attention is given to the works of Wordsworth, Coleridge, Scott, Byron, Shelley, and Keats. The masterpieces of these poets are studied; individual characteristics are noted; the marked changes in the spirit and method of poetry are investigated; and attention is drawn to the relation of these changes to the political, social, and intellectual movements of the age. The general method is similar to that followed in Course 5.

except that the student is here encouraged to a freer and more independent study of the facts and principles of literature. (Elective.)

M.—W., 2:30 P. M., Spring Term.

8. NINETEENTH CENTURY PROSE. The prose masterpieces of the present century are studied with reference to their literary value, and also to their significance as a revelation of the life of the age. The spirit and method of the course are similar to those of Course 7. It is intended to unite with that and the succeeding literary courses in presenting a broad view of the literature of the century. (Elective.)

Th., F., 2:30 P. M., Spring Term.

9. ANGLO-SAXON. Elementary course. The grammar of the language is carefully studied; and special attention is given to acquiring facility in the reading of ordinary Anglo-Saxon prose. The relation of Anglo-Saxon to modern English is constantly emphasized; and the basis is laid for a proper study of the historical development of the English language. (Elective.)

Fall Term, two hours a week.

10. ANGLO-SAXON. Poetry. Some of the most famous of the classical Anglo-Saxon poetry is read, not only for its linguistic interest, but also as a revelation of the life and character of the Anglo-Saxon people. An outline of Anglo-Saxon literature is given; and the beginnings of modern English literature are traced. (Elective.)

Winter Term, two hours a week.

11. ANGLO-SAXON. Beowulf. This old pagan epic is studied as one of the earliest monuments of the English language and literature, and is made the medium for a better understanding of the life and customs of the race before its coming to England. (Elective.)

Spring Term, two hours a week.

12. **ANGLO-SAXON. Poetry.** This course is similar in its method and purpose to Course 10, and is intended to furnish an opportunity for a fuller knowledge of the Christian poetry of the Anglo-Saxons. (Elective.)

Winter Term, two hours a week.

13. **EARLY ENGLISH.** From the Norman Conquest to the age of Chaucer. The language is traced through the various stages of its development from Anglo-Saxon to modern English; and observation is made as to the general character of the literature during these centuries of transition. Special attention is given to the English of Chaucer and his contemporaries. (Elective.)

Spring Term, two hours a week.

Third Year

For Seniors

14. **PROSE FICTION.** The rise, development, and characteristics of the English novel. Works of representative novelists are read, special attention being given to leading novels of Scott, Dickens, Thackeray, and George Eliot. Certain selected novels are treated by means of class essays. Special attention is given, by means of lectures and general discussions, to an examination of the laws of fiction and of the principles of criticism involved. (Elective.)

W., F., 1:30 P. M., Fall Term.

15. **VICTORIAN POETRY.** A study of the poetry of Tennyson, Browning, and their contemporaries. Poetical masterpieces are critically studied, as in previous courses; and the leading poets are especially considered as the exponents of the life and thought of the age. Free discussion of the questions involved is especially urged. (Elective.)

M.—W., 1:30 P. M., Fall Term.

16. **AMERICAN LITERATURE.** Upon the basis of the literary principles determined in previous courses, a study is here made of the general development of American literature, of the character-

istics of its various forms and classes, and of the representative works of leading authors in its various departments. Selected masterpieces are treated by means of essays; and authors, works, and literary principles are freely discussed. An historical outline of American literature is given. (Elective.)

M.—W., 1:30 P. M., Winter Term.

Courses 1 and 2 must precede the other literary courses. Students are strongly urged to take elective literary courses in chronological order. Courses 3–8 and 14–16 may also be taken as two hour courses. No two of these courses in the same term may count for more than five hours. Courses 12 and 13 will be given in alternate years with Courses 10 and 11 respectively. The hours of recitation for Courses 9–13 will be arranged on the organization of the class.

MODERN LANGUAGES

It is the aim of this department: *First*, to give the student a technical knowledge of the German and French languages sufficient to read their literatures with understanding, ease, and enjoyment, and without translation; *second*, to present to the student the general idea of the literary history of each language with a detailed statement of special important epochs; *third*, by occasional lectures illustrated by the stereopticon, to give the student some idea of the cities, customs, and life of the people whose language is studied; and also to show the prominent place given to German literature in German art.

GERMAN

First Year

Freshmen in Courses II and III (in part.) Sophomores in Course I

1. Elementary course. Grammar (Whitney's Brief). Practice in pronunciation and in memorizing short selections, systematic drill in grammar, with special reference to syntax. Rapid

reading of modern works of fiction, including selections from such authors as Hauff, Heyse, Storm and Auerbach. The latter part of the course is given to reading Schiller's *Das Lied von der Glocke* and Goethe's *Hermann und Dorothea*.

W., Th., 10 A. M., F., 9 A. M., Fall Term.

W.—F., 10 A. M., Winter Term.

M., 11 A. M., Th., F., 9 A. M., Spring Term.

Second Year

Freshmen in Courses II and III (in part). Elective for Higher Classes

2. Lessing's *Minna von Barnhelm* and *Nathan der Weise*. Lectures on Lessing's work and influence in the regeneration of German literature.

M.—W., 3:30 P. M., Fall Term.

3. Schiller's *Maria Stuart* or *Jungfrau von Orleans* and *Wilhelm Tell*. Lectures, accompanied by an extensive collection of stereopticon views, on the important works of Schiller. Essays by the class on topics connected with the reading.

W.—F., 3:30 P. M., Winter Term.

4. Goethe's *Götz von Berlichingen* or *Egmont*, and *Torquato Tasso*. The life of Goethe in connection with selections from *Dichtung und Wahrheit*. Lectures on Goethe's work and influence.

M.—W., 1:30 P. M., Spring Term.

Third Year

Sophomores in Courses II and III. Elective for Others

5. Goethe's *Faust*. Essays on literary and philosophical subjects suggested by the reading. Lectures on *Faust*, accompanied by an extensive series of stereopticon illustrations.

Tu., W., 2:30 P. M., Fall Term.

Tu., W., 1:30 P. M., Winter Term.

6. An outline of German literature from the earliest times. Each student is expected to do much outside reading and report on the same to the class. Stereopticon illustrations are used wherever practicable.

M., 2:30 P. M., Fall Term.

M., 1:30 P. M., Winter Term.

M., 9 A. M., Spring Term.

7. Lyric poetry.

Tu., W., 9 A. M., Spring Term.

Courses 2, 3 and 4 are given in alternate years with Courses 5, 6, and 7. Courses 5, 6, and 7 may be expected in 1895-1896.

FRENCH

First Year

For Freshmen

1. Systematic drill in grammar, with special reference to syntax, rapid reading of selections from such authors as Souvestre, Mérimée, and Feuillet. During the latter part of the course Corneille's *Le Cid* or *Polyeucte*, is read.

This course extends through the entire year, and is designed as a foundation in acquiring a technical knowledge of the French language, and as an introduction to French literature.

Th., F., 3:30 P. M., Fall Term.

M., T., 9 A. M., Winter Term.

Th., F., 3:30 P. M., Spring Term.

Second Year

Freshmen in Courses II and III (in part). Elective for Higher Classes

2. Molière's *L'Avare* and *Le Tartuffe*.

Th., F., 2:30 P. M., Fall Term.

3. Rousseau's *Le Contrat Social*.

M., Tu., 1:30 P. M., Winter Term.

4. Victor Hugo's *Hernani* and *Ruy Blas*.

M., Tu., 10:00 A. M., Spring Term.

RHETORIC AND PUBLIC SPEAKING

In the department of Rhetoric and Public speaking, the following courses are offered. They may be continued throughout the entire undergraduate course.

First Year

1. RHETORIC: A course designed to give the student definite ideas of the elementary principles of the subject, and facility in their application. The work is of a practical character consisting mainly of composition and criticism.

W., 1:30 P. M., Fall Term.

W., 9 A. M., Winter Term.

First and Second Years

2. RHETORIC: A study of the subjects of style and invention. Members of the class are required to present themes, plans, and discussions. These receive individual criticism. Selected essays are read before the class.

Th., F., 2:30 P. M., Spring Term, Freshman Year.

Th., F., 3:30 P. M., Fall Term, Sophomore Year.

M., Tu., 10 A. M., Winter Term, Sophomore Year.

Opportunity is given throughout the courses in Rhetoric for students to engage in newspaper work. The Colgate Press Club is allied to the department of Rhetoric. It includes in its membership correspondents of daily and weekly papers and monthly magazines. The theories of newspaper writing are taught in the various courses in Rhetoric; practice is obtained by correspondence

submitted to the editors of the various papers represented in the Press Club.

4. PUBLIC SPEAKING: Weekly exercises in declamation are required throughout the Freshman and Sophomore years. Each speaker is freely criticised both by the instructor and by members of the class.

FRESHMEN

2:30 P. M., Tuesday, Fall Term.

2:30 P. M., Monday, Winter Term.

11 A. M., Friday, Spring Term.

SOPHOMORES

2:30 P. M., Wednesday, Fall Term.

2:30 P. M., Tuesday, Winter Term.

10 A. M., Friday, Spring Term..

5. PUBLIC SPEAKING: Courses on the composition and delivery of orations are continued throughout the Junior year. The principles of this form of composition are studied by means of lectures, and several model orations are analyzed by the class. Original orations are written and are freely criticised.

Instruction is given on the general principles of the delivery of orations.

During the second and third terms the orations are presented before public audiences. Each production is read and criticised with the author by special appointment, and he receives drill in its delivery previous to his public appearance.

6. PUBLIC SPEAKING: An elective course on the art of public speech. The course includes thorough study and practice in breathing, position and carriage of the body, diaphragmatic action, articulation, pronunciation, inflection, emphasis, gesture. This course is accompanied by constant practice and criticism, and is open only to those who have completed Course 4.

Fall Term, Junior Year.

7. **PUBLIC SPEAKING:** A course in forensics is offered to those students who have completed Courses 4 and 5.

Instruction will be given in the principles of argumentation, and in the public delivery of argumentative addresses.

During the present year the class organized as a legislative body ; the rules of procedure adopted were those of the Senate of the State of New York. Parliamentary forms were observed, bills and resolutions were introduced, debated, and passed or rejected by vote of the house. This course enables the student to become familiar with the elementary principles of parliamentary procedure, while at the same time it gives ample opportunity for both prepared and extemporaneous debate.

MATHEMATICS

The courses of study in this department begin with the Freshman year, and may be continued, as required or elective studies, throughout the entire undergraduate course. The work is conducted by aid of text-books with lectures.

The aim of the instruction is to form habits of accurate and precise expression, and to develop the power of independent and logical thinking as well as to teach the methods and principles of each subject.

First Year

For Freshmen in all Courses

1. **GEOMETRY.** Solid and Spherical ; Exercises in Geometrical Invention and Applications ; Theory of Limits.

M.—F, 9 A. M., Fall Term.

2. **ALGEBRA.** Differentiation of Algebraic, Logarithmic, and Exponential Functions ; Development of Functions in Series ; Convergency and Summation of Series ; Theory and Computation of Logarithms ; Permutations, Combinations, and Probability ; Theory of Equations.

M.—F., 11 A. M., Winter Term.

3. PLANE TRIGONOMETRY AND SURVEYING. The Theory of the Trigonometric Functions and its application to the solution of plane triangles and to surveying.

M.—F., 11 A. M., Spring Term.

Second Year

For Sophomores in all Courses

4. SPHERICAL TRIGONOMETRY. Napier's Rules and Analogies; Gauss' Equations, and their application to the solution of spherical triangles.

M.—W., 11 A. M., Fall Term, Five Weeks.

5. ANALYTIC GEOMETRY. The Straight Line, the Conic Sections, the General Equation of the Second Degree, and Higher Plane Curves, in Plane Geometry; and the Point, the Straight Line, the Plane, and Surfaces of Revolution, in Solid Geometry. (Elective in winter term, Courses I and II.)

M.—W., 11 A. M., Fall Term, Nine Weeks.

M.—W., 9 A. M., Winter Term.

6. CALCULUS. Differentiation and Practical Applications, Direct Integration and its Application to the Determination of Areas and Volumes, and the Rectification of Curves; Successive Differentiation; Evaluation of Indeterminate Forms; Development of Functions in Series; Maxima and Minima. (Elective, Courses I and II.)

This course may be elected by any student who has taken the first five courses. While designed to lay the foundation for the subsequent courses on this subject, it is adapted to those also who wish in a short time to gain a clear idea of the methods and problems of the Calculus.

M.—W., 9 A. M., Spring Term.

Third Year

For Juniors

7. CALCULUS. A continuation of Course 6, embracing the remaining subjects in Taylor's Calculus, except the chapter on the Method of Infinitesimals. (Elective, Courses I and II.)

M.—W., 10 A. M., Fall Term.

8. CALCULUS. A continuation of Course 7, embracing the Infinitesimal Method and applications, also the History and Philosophy of the Calculus. Books of reference: the treatises of Williamson, Duhamel, Price, and Bertrand, Bledsoe's Philosophy of Mathematics, and Cajori's History of Mathematics. (Elective.)

W.—F., 10 A. M., Winter Term.

9. DETERMINANTS. Muir's Determinants. (Elective.)

W.—F., 10 A. M., Spring Term.

Fourth Year

For Seniors

10. QUATERNIONS. Hardy's Quaternions. Books of reference: the treatises of Tait, and Kelland and Tait. (Elective.)

Th., F., 9 A. M., Fall Term.

11. THEORY OF EQUATIONS. Burnside and Panton's Theory of Equations. (Elective.)

Th., F., 10 A. M., Winter Term.

PHYSICS AND ASTRONOMY

First Year

For Sophomores in all Courses

1. GENERAL PHYSICS: conducted by the aid of a text and with lectures and experimental demonstration of important principles.

Course I is intended to give students a clear notion of the methods of scientific study and a familiarity with the fundamental laws underlying physical phenomena.

Mechanics.—*Winter Term, M.—W., 11 A. M.*

Sound, Heat, and Light.—*Spring Term, W.—F., 11 A. M.*

Second Year

For Juniors

1 (continued).

Electricity and Magnetism.—*Fall Term, M.—W., 11 A. M.*

2. LABORATORY WORK. Two hours a week, Winter and Spring Terms.

Th., F., 2:30 P. M., Winter Term.

M., Tu., 1:30 P. M., Spring Term.

The purpose of this course is to give students insight into methods and apparatus used in making physical measurements, and includes quantitative experiments performed by the student in mechanics, sound, heat, light, and electricity. Course 1 necessarily precedes this course, and students are strongly advised to prepare themselves in analytic geometry and the calculus, before taking up the laboratory work.

Third Year

For Seniors

3. GENERAL ASTRONOMY.

M.—F., 9 A. M., Fall Term.

4. A course in Electrical Engineering will be offered for those who have had two terms laboratory work in general physics.

The object of this course is to allow the students to become more thoroughly acquainted with the governing laws of electricity by making practical applications of the same. Construction of small dynamos and motors, as well as a complete study of the best

known machines of the present day will be undertaken. Number of hours not determined.

Fall Term.

GEOLOGY AND NATURAL HISTORY

The courses in this department are designed to give such knowledge of the several subjects as a scheme of general education requires. It will be seen also that the geological courses are so arranged as to give two years of continuous work to those who may wish to teach geology or pursue it as a profession. To arouse interest in nature, to teach the art of rapid and accurate observation, and skill in reasoning from cause to effect and effect to cause, are held to be equally important to the general and the special student of natural science. The instruction is given by lectures. Text-books for supplementary reading are required, with oral and written reviews. Much attention is given to the literature of the subjects, and habits of independent investigation are fostered. The significant questions which subjects in natural history raise at the present time will receive such discussion as may be suitable. Hours for laboratory and field work are arranged after the organization of classes.

GEOLOGY

First Year

Sophomores in Course III. Elective for Juniors and Seniors

1. DYNAMICAL GEOLOGY. The lectures treat of the applications of energy in the making of the earth. The relations of our planet to the sun and other celestial bodies, the chemical and mechanical work of the atmosphere, the effects of water in rivers, lakes, oceans, subterranean channels, and glaciers form the earlier subjects of the course. The igneous forces are then studied, as seen

in volcanoes, earthquakes, mountain making, and the development of continents. Several lectures are given on the geological work of organisms. The course deals particularly with the development of geographic forms, the evolution of scenery, and the effects of geological forces upon the course of human history. Four half-day excursions are made for the study of the surface geology in the vicinity of Hamilton. The larger manuals of Dana or Le Conte are required in this and subsequent geological courses.

W.—F., 10 A. M., Fall Term.

2. **LITHOLOGICAL AND STRUCTURAL GEOLOGY.** This course begins with an elementary study of the principal kinds of rocks. The lectures then deal with structural forms, such as stratified, tilted, faulted and folded rocks, dikes, lava sheets, mineral veins, the general form of the earth, the structure and topography of continents and mountains, as determined by upheaval and general erosion.

Tu., W., 2:30 P. M., Winter Term.

3. **HISTORICAL GEOLOGY.** An elementary course with special reference to students who wish a general understanding of the succession of events in geological time. Among the special topics are: The climate, geography, plants, and animals of the various periods; economical products important in special formations, as fuels, pigments, ores, mineral waters, salt, pottery clays and building materials; geological time; the last glacial period; the antiquity of man, and the history of geological science. The course requires four field excursions, the accessible localities affording the best opportunities for beginning the study of historical geology.

M.—F., 10 A. M., Spring Term.

Second Year

Elective for Seniors and for Juniors of Course III

4. **PALÆONTOLOGY.** A study of fossil organisms, their manner of preservation, their value as a geological record, their systematic relations and succession in time. The appearance and extinction

of great groups, and probable ancestry of existing forms are treated, with a critical study of evolution. The history and present state of opinion, and the factors of evolution are made themes for careful discussion. Laboratory work two hours each week. Courses 3 and 7 are required in preparation. Three hour course.

Th., F., 2:30 P. M., Fall Term.

5. GEOLOGY. Study of special problems,—two hours seminary work each week, with further research by the student in the library and laboratory, the results to be presented in a thesis. The course is an introduction to the use of geological literature. Counts for three hours. Time arranged with the class.

Winter Term.

6. GEOLOGY.—Field course. The special study of some Paleozoic horizon near Hamilton. This is chiefly a course in field work, with attention to stratigraphy, geographic distributions and characteristic fossils. To those who prefer, problems in the glacial geology of Central New York may be assigned. This course will include instruction in the history and methods of geological surveying; may be taken for three or five hours.

Spring Term.

ZOÖLOGY

7. This course deals with elementary biology, the principles of classification, and the general morphology of the principal groups of animals. The invertebrates will receive chief attention, with concluding lectures on the vertebrates. The course is designed to give such general knowledge of the animal kingdom as all educated persons should have. Laboratory work, two hours a week. Packard's Zoölogy required for reference. Junior elective, three hour course.

Th., F., 10 A. M., Winter Term.

BOTANY

8. The aim of this course is like that of 7. The structure and classification of plants, their distribution and economic uses are treated, with attention to the determination of the flowering plants. Laboratory, two hours a week. Gray's Structural Botany and Manual are required. Junior elective, three hour course.

M., Tu., 10 A. M., Spring Term.

CHEMISTRY AND MINERALOGY

The aim of this department is to give instruction in the fundamental principles of scientific study, and, especially, to give the student thorough training in habits of accuracy and observation. The work of course 1 is conducted in the class room by means of a text-book with experimental lectures. The remainder of the work is done in the laboratory, which is equipped with all the apparatus necessary for the successful study of analytical chemistry.

First Year

For Sophomores in Courses I and II

I. GENERAL CHEMISTRY. A course for beginners, extending through the non-metallic elements.

About one-half the time is occupied with experimental lectures, the remainder being devoted to recitations and frequent written examinations. This course is required of all students in Courses I and II, and for entrance to Course III.

W.—F., 2:30 P. M., Winter Term.

M., Tu., 2:30 P. M., Spring Term.

Second Year

For Freshmen in Course III. Elective for Juniors and Seniors in Courses I and II

2. ANALYTICAL CHEMISTRY. A course in Qualitative Analysis, including the determination of simple inorganic substances, both in solution and by Blowpipe Analysis. The work in the laboratory is supplemented by a course of lectures on the metallic elements.

M.—F., 3:30—5:30 P. M., Fall Term.

3. ANALYTICAL CHEMISTRY. A continuation of Course 2, including the various methods employed for the qualitative separation of the metals. A supplementary course of lectures on some of the more important chemical theories and molecular forces will be given.

M.—F., 3:30—5:30 P. M., Winter Term.

4. ANALYTICAL AND ORGANIC CHEMISTRY. This includes the study of some of the rarer elements and of the qualitative determination of minerals, together with a short course of lectures on Organic Chemistry.

M.—F., 3:30—5:30 P. M., Spring Term.

Third Year

Elective for Juniors in Course III, and Seniors in Courses I and II

5. ANALYTICAL CHEMISTRY. A course in Quantitative Analysis occupying two terms. It is the aim of this course to make the student familiar with all the important quantitative determinations and separations of the elements, and to this end the different methods, gravimetric, volumetric, and electrolytic are employed.

M.—F., 3:30—5:30 P. M., Fall and Winter Terms.

6. ANALYTICAL AND APPLIED CHEMISTRY. This follows the general course in Quantitative Analysis and includes the analysis of minerals and some of the simpler courses in Technical Analysis.

The exhaustive study of these subjects is not attempted, the aim being to give the general methods of work in each.

M.—F., 3:30—5:30 P. M., Spring Term.

7. MINERALOGY. This is offered to any student in the Senior class, who has pursued or is pursuing a course in Qualitative Analysis, and to Juniors in Course 3. The work is conducted by means of lectures, with occasional examinations upon the same. The first part of the term is devoted to the study of crystallography, and of the principal physical and chemical properties of minerals employed in their determination, and the remainder to the classification and special study of the more important minerals.

M.—W., 2:30 P. M., Fall Term.

8. PRACTICAL MINERALOGY. To those who wish to continue the preceding course, practical work is offered to a limited number of students, the aim being to teach the use of instruments and general methods of mineralogical work.

Th., F., 1:30—3:30 P. M. Winter Term.

Fourth Year

9. SPECIAL ANALYTICAL CHEMISTRY. For Seniors in Course 3 and for special students. This follows Course 6 in Analytical Chemistry and is intended for the more exhaustive study of the work there offered, as well as to teach methods of original work.

M.—F., 3:30—5:30 P. M., Fall Term.

10. ORGANIC CHEMISTRY. The course extends through two terms. The different methods of ultimate organic analysis are taught, as well as the methods of building up compounds synthetically. Subsequently, original work in the formation and investigation of compounds may be undertaken.

M.—F., 3:30—5:30 P. M., Winter and Spring Terms.

Each of the above laboratory courses is a full equivalent of a five hour a week elective study, each student being required to work two hours a day for five days each week.

HISTORY

In the department of History the following courses are offered, all elective :

First Year

1. Prehistoric Man and the earliest Institutions.
M.—W., 1:30 P. M., Fall Term.
2. Political and Institutional History of Rome.
W.—F., 1:30 P. M., Winter Term.
3. Mediæval History.
M.—W., 3:30 P. M., Spring Term.
4. Early English History.
Th., F., 9 A. M., Spring Term.

Second Year

5. The Renaissance and the Reformation.
M.—W., 10 A. M., Fall Term.
6. English History ; the Stuart Period.
Th., F., 10 A. M., Fall Term.
7. The French Revolution.
M.—F., 2:30 P. M., Winter Term.
8. American History ; Colonial Period, and War of Independence.
M.—W., 9 A. M., Spring Term.
9. Nineteenth Century History.
Th., F., 2:30 P. M., Spring Term.

Courses 1-4 are offered to members of the Senior and Junior classes ; Courses 5-9 to members of the Senior class only Courses 3 and 8 will be given mostly by lectures, with frequent oral and written examinations. Courses 4, 7 and 9 will be conducted in part according to the seminary method. In the other

courses the method will be that of a text-book supplemented by lectures. A few lectures on Philosophy of History and occasional lectures on topics of current interest will be given to both classes during the year.

POLITICAL ECONOMY

For Seniors in all Courses

1. **POLITICAL ECONOMY.**—Daily recitations from Walker's Political Economy, supplemented by lectures and discussions. The text furnishes to the student a clear statement of principles. Then, by questions, by drawing the student into discussions, by encouraging him to express his difficulties freely, the instructor endeavors to fix principles, and to direct attention to their practical working in concrete cases.

Th, F., 11 A. M., Fall Term.

M.,—W., 11 A. M., Winter Term.

2. **CONTEMPORARY SOCIALISM.** The views of the most prominent living socialists are brought before the class by means of lectures, discussions, essays, and criticisms.

M., Tu., Spring Term.

The hour of the exercise is determined after the organization of the class.

HISTORY OF ART

In the Senior year instruction is given in the History of Architecture and Sculpture. The hand-books used by the student are largely supplemented with lectures, illustrated by a copious collection of slides and photographs. In these illustrated lectures a calcium light stereopticon is employed. Special attention is given to the origin and development of Greek Architecture. Its connection with earlier styles, particularly with the Assyrian and Egyptian,

are noted, and the modifications and additions made by the Romans are also traced. Gothic and Renaissance Architecture are likewise treated. An attempt is made to give some accurate acquaintance with the masterpieces of ancient sculpture, to show the relation between classical and mediæval art, and to bring out those principles which gave to the plastic art of the Greeks its enduring preëminence as the standard of taste.

Th., F., 2:30 P. M., Fall Term.

Th., F., 3:30 P. M., Winter Term.

NOTE—The instruction in this subject is given by Professor Andrews.

PHILOSOPHY

First Year

For Juniors in All Courses

1. LOGIC. It is the object of this department to give the student a thorough knowledge of the subject, embracing both Formal and Applied Logic. The nature, sphere, limitations, and applications of principles are defined and illustrated. To make the study a discipline, and to secure, as far as possible, practical results, the student, during the last half of the term, is subjected to a daily analysis of arguments and fallacies in a manner not only to compel a knowledge of principles and methods, but to induce correct habits of thinking.

M.—F., 9 A. M., Fall Term.

2. PSYCHOLOGY. Text-book: Baldwin's Elements of Psychology.

M.—W., 9 A. M., Winter Term.

M.—W., 9 A. M., Spring Term.

3. HISTORY OF GREEK PHILOSOPHY. Courses 8 and 9 in department of Greek. (Elective.)

Second Year

For Seniors in All Courses

4. ETHICS. Text-Book: Murray's Introduction to Ethics.

M.—W., 11 A. M., Fall Term.

4. EVIDENCES OF CHRISTIANITY. Text-book: Bruce's Apologetics.

Th., F., 11 A. M., Winter Term.

6. HISTORY OF MODERN PHILOSOPHY. Falckenberg's History of Modern Philosophy is used as a basis of study. Considerable time is given to reading selected portions of the works of representative philosophers. (Elective.)

M.—W., 3:30 P. M., Fall Term.

M.—W., 10 A. M., Winter Term.

M.—F., 10 A. M., Spring Term.

7. HISTORY OF ETHICS. Text-book: Sidgwick's History of Ethics. (Elective.)

Th., F., 3:30 P. M., Fall Term.

Th., F., 3:30 P. M., Fall Term.

8. ADVANCED ETHICS. A critical study of the works of recent moralists. (Elective.)

Th., F., 10 A. M., Winter Term.

M., Tu., 10 A. M., Spring Term.

For courses 7 and 8 may be substituted studies in Metaphysics or Advanced Logic at the option of the students.

In all the courses of the department the text-book is used only as a basis of instruction, and is supplemented by lectures, discussions, and essays. Courses in philosophical reading under the supervision of the professor will be arranged to meet the wants of individual students.

HISTORY, THEORY AND ART OF EDUCATION

Education is so universal an interest that a college curriculum may well include its history and theory as culture studies. The hopeful growth of a professional spirit among teachers, and the fact that nearly all positions in secondary schools and colleges are supplied from the ranks of college graduates who, for the most part, have not had any part of normal school training, create a special demand which it becomes the duty of college courses in education to meet. It is the province of such courses to point out the development of the human mind; to suggest the best ways of sharing in that development, and to give a wide outlook over previous experiments in education—in short, to present the work of the teacher in those historical, scientific, and ethical relations which alone give it its right significance.

That it is essential to combine with this more theoretical training the greatest possible amount of practical experience in schools is universally recognized. In this important respect this department has peculiar advantages through the presence on the University grounds of a large and successful academy which gives students in the department an unusual opportunity for direct contact with school work.

The courses in pedagogy are elective, open in general to seniors and to special students. These courses are to be preceded by the general course in psychology. In connection with the class room exercises, practical and experimental work will be systematically pursued. This will consist in attendance at the regular class exercises in Colgate Academy, or some other easily accessible school. Occasionally classes in Colgate Academy will be placed in charge of members of the class in pedagogy. Students have access to a seminary room in the library where an excellent beginning has been made of a special library on education. The following courses are offered:

For Seniors in all Courses

1. HISTORY OF EDUCATION, with reference to the ideal conceptions of manhood and womanhood that have prevailed at various times and among various peoples, and the methods employed and proposed to realize them. Lectures, reports, and conferences. Three hours' course, two hours in class, one hour in practical and experimental work.

M., Tu., 2:30 P. M., Fall Term.

2. INSTITUTES OF EDUCATION: an attempt to formulate a rational theory of education to the end that education may be made to conform to the nature of children and youth. Three hours' course, two hours in class, one hour in practical and experimental work.

M., Tu., 3:30 P. M., Winter Term.

3. SCHOOL ORGANIZATION AND MANAGEMENT, AND METHODS OF TEACHING SUBJECTS IN SECONDARY SCHOOLS. Lectures on modern school systems, the training of teachers, school discipline, etc. In addition, lectures may be expected from various members of the faculty, treating of the place of their several specialties in the school curriculum, and of the methods and appliances for teaching the same.

It is intended that Courses 1, 2, and 3 shall form a continuous three hour course throughout the year; but the work is so arranged that each term may be taken independently.

M.—W., 10 A. M., Spring Term.

4. UNSETTLED PROBLEMS IN EDUCATION. LECTURES AND SEMINARY WORK. Two hours a week, Winter Term. Time to be arranged with the class.

5. SEMINARY, throughout the year, two hours by appointment every other week, counting as one hour course. 1894-1895, Contemporary School Systems; 1895-1896, Unsettled Problems in Education.

The LAURIE CLUB, an organization composed of the members of the classes in education, the professors in the several Departments of the University, and the teachers of Hamilton and vicinity, holds semi-monthly meetings during half the year for the discussion of current questions of importance in the field of education. The club also holds occasional public meetings at which an address is delivered, usually by some one not connected with the University.

REQUIREMENTS FOR GRADUATION

The Bachelors' Degrees

The College provides three distinct and parallel courses of instruction leading to the Bachelors' Degrees :

- I. The COURSE IN ARTS, requiring Latin and Greek for matriculation, and leading to the degree of Bachelor of Arts.
- II. The COURSE IN LETTERS AND PHILOSOPHY, requiring Latin or Greek, and German or French, for matriculation, and leading to the degree of Bachelor of Philosophy.
- III. The COURSE IN LETTERS AND SCIENCE, requiring certain scientific subjects, with French and German, or two years' study of Latin and one year's study of French or German, for matriculation, and leading to the degree of Bachelor of Science.

These several courses extend over four undergraduate years, and consist of prescribed and elective studies in Language and Literature, Mathematics, Natural Science, History and Political Science, Art, and Philosophy. Each student is required to have not less than seventeen hours of work per week, except during the third term of the Senior year, when only twelve are required. In Courses I and II all the work of the first four terms is prescribed, and fourteen hours of the fifth and sixth terms. In Course III all the work of the first two years is prescribed. In the Junior year, Courses I and II have in the first term seven hours of prescribed work, and Course III has thirteen hours prescribed. During the remainder of the Junior year, and the first two terms of the Senior year, all the courses have only five hours of prescribed work. In the last term of the Senior year all the subjects are elective.

COURSES OF STUDY

Synopsis of Requirements for Bachelors' Degrees

I. COURSE IN ARTS

For the Degree of Bachelor of Arts

Freshman Year

LATIN: [Courses 1-3.] Cicero, Livy, Odes of Horace, Gellius.
Three terms, four hours a week.

GREEK: [Courses 1-3.] Homer, Herodotus, Thucydides, Plato's Apology of Socrates.
Three terms, four hours a week.

FRENCH: [Course 1.] Systematic drill in grammar with special reference to syntax. Rapid reading. Lectures introductory to the course in French literature.
Three Terms, two hours a week.

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry and Surveying.
Fall and Winter Terms, five hours a week.
Spring Term, four hours a week.

RHETORIC: [Course 1.] Fall and Winter Terms, one hour a week.
[Course 2.] Spring Term, two hours a week.

PUBLIC SPEAKING: Three Terms, one hour a week.

Sophomore Year

LATIN: [Courses 4-6.] Satires and Epistles of Horace, and the Elegiac Poets; Pliny, Tacitus; Selections from Juvenal and Persius.
Fall Term, four hours a week.
Winter and Spring Terms, three hours a week (elective.)

GREEK: [Courses 4-6.] Æschylus and Sophocles; Euripides and Aristophanes; Demosthenes.

Fall Term, four hours a week.

Winter and Spring Terms, three hours a week (elective.)

GERMAN: [Course 1.] Elementary drill in grammar and reader. General introduction to the courses in German literature.

Three terms, three hours a week.

MATHEMATICS: [Courses 4-6.] Spherical Trigonometry, Analytic Geometry, Calculus.

Fall Term, three hours a week.

Winter and Spring Terms, three hours a week (elective).

RHETORIC: [Course 2.] Style and Invention.

Fall and Winter Terms, two hours a week.

ENGLISH LITERATURE: [Courses 1 and 2.] Chaucer; Elizabethan literature.

Winter Term, two hours a week.

Spring Term, five hours a week.

PHYSICS: [Course 1.] Mechanics; Electricity and Magnetism.

Winter and Spring Terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, elementary course.

Winter Term, three hours a week.

Spring Term, two hours a week.

PUBLIC SPEAKING: Three terms, one hour a week.

Junior Year

PHILOSOPHY: [Course 1.] Logic, Formal and Applied.

Fall Term, five hours a week.

[Course 2.] Psychology.

Winter and Spring Terms, three hours a week.

PUBLIC SPEAKING: Orations by appointment throughout the year.

Equivalent to a two hours' course for three terms.

ELECTIVE STUDIES: In addition to the prescribed studies, each student must elect other work to occupy not less than ten hours a week in the Fall Term, and twelve hours a week in the Winter and Spring Terms. The elective courses open to Juniors are the following:

FALL TERM. Latin: Annotation of some author. Greek; New Testament. Hebrew. English literature: Elizabethan Drama; Shakspeare; Anglo-Saxon. German: Lessing. French: Molière. Mathematics: Calculus. Physics: Heat, Sound and Light. Dynamical Geology. Analytical Chemistry. History: Course 1. Public Speaking.

WINTER TERM. Latin: Plautus and Terence. Greek: Plato or Aristotle. Hebrew. English Literature: Romantic Poetry; Nineteenth Century Prose; Early English. Rhetoric: Advanced course. German: Schiller. French: Rousseau. Mathematics; Calculus. Physics: Laboratory Work. Structural Geology. Zoölogy. Analytical Chemistry. History: Course 2.

SPRING TERM. Latin: Cicero's philosophical works. Hebrew. English literature: Romantic Poetry; Nineteenth Century Prose; Early English. German: Goethe. French: Victor Hugo. Mathematics: Determinants. Physics: Laboratory work. Historical Geology. Botany. Analytical Chemistry. History: Courses 3 and 4. History of Greek Philosophy.

NOTE. Juniors may take any elective offered to Sophomores, if the hour does not conflict with their own prescribed work.

Senior Year

PHILOSOPHY: [Courses 4 and 5.] Ethics; Evidences of Christianity.
Fall Term, three hours a week.
Winter Term, two hours a week.

POLITICAL ECONOMY: Walker. Lectures, Discussions.
Fall Term, two hours a week.
Winter Term, three hours a week.

ELECTIVE STUDIES: In addition to the prescribed studies of the Fall and Winter Terms, each student must elect other work to occupy not less than twelve hours a week. The work of the Spring Term is entirely elective, and each student must take subjects amounting to not less than twelve hours a week. The elective courses offered to Seniors are the following.

FALL TERM. Hebrew. Ethiopic. English Literature: Victorian Poetry; Prose Fiction. German: Goethe's Faust; History of German Literature. Debates. Mathematics: Theory of Equations. Astronomy. Electrical Engineering. Palæontology. Analytical Chemistry. Mineralogy. History: Courses 5 and 6. History of Art. History of Modern Philosophy. History of Ethics. Pedagogy.

WINTER TERM. Hebrew. Classical Aramaic. Palestinian Aramaic. Semitic History: Arabia. American Literature. German: Goethe's Faust; History of German Literature. Debates. Mathematics: Quaternions. Geology: Special Problems. Analytical Chemistry. Mineralogy. History: Course 7. History of Art. History of Modern Philosophy. Advanced Ethics. Pedagogy.

SPRING TERM. Hebrew. Assyrian. Comparative Semitic Philology. German: Lyric Poetry; History of German Literature. Debates. Geology: Field Course. Analytical and Applied Chemistry. History: Courses 8 and 9. History of Modern Philosophy. Advanced Ethics. Pedagogy.

NOTE.—Seniors may take any elective offered to Juniors or Sophomores, if the hour does not conflict with their own prescribed work.

II. COURSE IN LETTERS AND PHILOSOPHY

For the Degree of Bachelor of Philosophy

Freshman Year

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry and Surveying.

Fall and Winter Terms, five hours a week.

Spring Term, four hours a week.

RHETORIC: [Course 1.] Fall and Winter Terms, one hour a week.

[Course 2.] Spring Term, two hours a week.

PUBLIC SPEAKING: Three terms, one hour a week.

LATIN: [Courses 1-3.] Cicero, Livy, Odes of Horace.

Three terms, four hours a week.

or

GREEK, [Courses 1-3.] Homer, Herodotus, Plato's Apology of Socrates.

Three terms, four hours a week.

FRENCH. [Course 1.] Systematic drill in grammar, with special reference to syntax. Rapid reading. Lectures introductory to the course in French literature.

Three terms, two hours a week.

or

GERMAN: [Course 1.] Elementary drill in grammar and reader. General introduction to the courses in German literature.

Three terms, three hours a week.

GERMAN: [Courses 2-4.] Lessing, Schiller, Goethe.

Three terms, three hours a week.

or

FRENCH: [Courses 2-4.] Molière, Rousseau, Victor Hugo.

Three terms, two hours a week.

Sophomore Year

MATHEMATICS: [Courses 4-6.] Spherical Trigonometry, Analytic Geometry, Calculus.

Fall Term, three hours a week.

Winter and Spring Terms, three hours a week (elective).

LATIN: [Courses 4-6.] Satires and Epistles of Horace, and the Elegiac Poets; Letters of Pliny, Agricola and Germania of Tacitus; Selections from Juvenal and Persius.

Fall Term, four hours a week.

Winter and Spring Terms, three hours a week (elective).

or

GREEK: [Courses 4-6.] Æschylus and Sophocles; Euripides and Aristophanes; Demosthenes on the Crown.

Fall Term, four hours a week.

Winter and Spring Terms, three hours a week (elective).

FRENCH: [Course 2.] Molière.

Fall Term, two hours a week.

GERMAN: [Courses 2-4.] Lessing, Schiller, Goethe; or
[Courses 5-7.] Goethe's Faust, Lyric Poetry, Lectures on history of German literature.

Fall and Winter Terms, three hours a week.

Spring Term, three hours a week (elective).

ENGINEERING: Fall Term, two hours a week.

RHETORIC: [Course 2.] Style and Invention.

Fall and Winter Terms, two hours a week.

ENGLISH LITERATURE: [Courses 1 and 2.] Chaucer; Elizabethan literature.

Winter Term, two hours a week.

Spring Term, five hours a week.

PHYSICS: [Course 1.] Mechanics, Electricity and Magnetism.

Winter and Spring Terms, three hours a week.

CHEMISTRY: [Course 1.] General Chemistry, elementary course.

Winter Term, three hours a week.

Spring Term, two hours a week.

PUBLIC SPEAKING: Three terms, one hour a week.

Junior Year

PHILOSOPHY: [Course 1.] Logic, formal and applied.

Fall Term, five hours a week.

[Course 2.] Psychology.

Winter and Spring Terms, three hours a week.

PUBLIC SPEAKING: Orations by appointment throughout the year.

Equivalent to a two hours' course for three terms.

* ELECTIVE STUDIES: In addition to the prescribed studies, each student must elect other work to occupy not less than ten hours a week in the Fall Term, and twelve hours a week in the Winter and Spring Terms.

Senior Year

PHILOSOPHY: [Courses 4 and 5.] Ethics; Evidences of Christianity.

Fall Term, three hours a week.

Winter Term, two hours a week.

POLITICAL ECONOMY: Walker. Lectures, Discussions.

Fall Term, two hours a week.

Winter Term, three hours a week.

* ELECTIVE STUDIES: In addition to the prescribed studies of the Fall and Winter Terms, each student must elect other work to occupy not less than twelve hours a week. The work of the Spring Term is entirely elective, and each student must take subjects amounting to not less than twelve hours a week.

* The elective studies are given in full under the Course in Arts, and each student will select such studies as he is prepared to take.

III. COURSE IN LETTERS AND SCIENCE

For the Degree of Bachelor of Science

Freshman Year

MATHEMATICS: [Courses 1-3.] Solid and Spherical Geometry, Algebra, Plane Trigonometry, and Surveying.

Fall and Winter Terms, five hours a week.

Spring Term, four hours a week.

GERMAN: [Courses 2-4.] Lessing, Schiller, Goethe.

Three terms, three hours a week.

FRENCH: [Courses 2-4.] Molière, Rousseau, Victor Hugo.

Three terms, two hours a week.

CHEMISTRY: [Courses 2-4.] Analytical Chemistry, Qualitative Analysis, Lectures.

Three terms, five hours a week.

RHETORIC: [Course 1.] Fall and Winter Terms, one hour a week.

[Course 2.] Spring term, two hours a week.

PUBLIC SPEAKING: Three terms, one hour a week.

Sophomore Year

MATHEMATICS: [Courses 4-6.] Spherical Trigonometry, Analytic Geometry, Calculus.

Three terms, three hours a week.

GERMAN: [Courses 5 and 6.] Goethe's Faust, Lectures on history of German literature.

Fall and Winter Terms, three hours a week.

ENGINEERING: Fall Term, two hours a week.

GEOLOGY AND ZOÖLOGY: Dynamical Geology, Zoölogy, Historical Geology.

Three terms, three hours a week.

RHETORIC : [Course 2.] Style and Invention.

Fall and Winter Terms, two hours a week.

FRENCH : [Courses 2 and 4.] Molière, Victor Hugo.

Fall and Spring Terms, two hours a week.

PHYSICS : [Course 1.] Mechanics, Electricity and Magnetism.

Winter and Spring Terms, three hours a week.

ENGLISH LITERATURE : [Courses 1 and 2.] Chaucer; Elizabethan literature.

Winter Term, two hours a week.

Spring Term, five hours a week.

PUBLIC SPEAKING : Three terms, one hour a week.

Junior Year

PHYSICS : [Course 1 continued.] Heat, Sound, and Light.

Fall Term, three hours a week.

MATHEMATICS : [Course 7.] Calculus continued.

Fall Term, three hours a week.

PHILOSOPHY : [Course 1.] Logic, formal and applied.

Fall Term, five hours a week.

[Course 2.] Psychology.

Winter and Spring Terms, three hours a week.

PUBLIC SPEAKING : Orations by appointment throughout the year.

Equivalent to a two hours' course for three terms.

ELECTIVE STUDIES : In addition to the prescribed studies, each student must elect other work to occupy not less than four hours a week in the Fall Term, and twelve hours a week in the Winter and Spring Terms.

Senior Year

PHILOSOPHY : [Courses 4 and 5.] Ethics ; Evidences of Christianity.

Fall Term, three hours a week.

Winter Term, two hours a week.

POLITICAL ECONOMY: Walker. Lectures, Discussions.

Fall Term, two hours a week.

Winter Term, three hours a week.

ELECTIVE STUDIES: In addition to the prescribed studies of the Fall and Winter Terms, each student must elect other work to occupy not less than twelve hours a week. The work of the Spring Term is entirely elective, and each student must take subjects amounting to not less than twelve hours a week.

GRADUATE WORK

I. Master's Degrees

The University Faculty will recommend for the degree of Master of Arts, Master of Philosophy, or Master of Science, candidates who have received the corresponding Bachelor's degree from any approved college, and who shall have pursued a course of advanced non-professional study equivalent to an additional year of college work. Such a course shall consist of a major and a minor subject to be taken in different, but related, departments. Satisfactory examinations must be passed in these studies and a thesis presented on some topic within the field of the major subject. The plan of study must be submitted by October 1st, the subject of the thesis by December 1st, and the thesis itself by May 15th of the year in which the candidate expects to take the degree. Resident graduates giving their full time to the work may be recommended for the degree after one year of study. Resident graduates giving only a portion of their time to the work will not be recommended under two years; if enrolled in the Theological Department, but not candidates for the degree of Bachelor of Divinity, they may be recommended after three years. Non-resident graduates will not be recommended under two years. A copy of the thesis must be deposited in the University Library.

The conferring of the degree of Master in course will be discontinued after the commencement of 1896.

Until 1896 the Faculty will recommend for the degree of Master of Arts, or Master of Philosophy, graduates of Colgate University, of at least three years' standing, who have taken the degree of Bachelor of Arts, or Bachelor of Philosophy, and who shall make application for the Master's degree, presenting at the same time a certificate of graduation from a Theological Seminary, a Law School, or a Medical School, or of admission to the practice of law or medicine, or satisfactory evidence of successful labor in that field of education or literature which may have been permanently chosen.

Untii 1896 the Faculty will also recommend for the degree of Master of Science, graduates of Colgate University of at least three years' standing, who have taken the degree of Bachelor of Science, and who shall make application for the Master's degree, presenting at the same time a certificate of graduation from a Medical School, or of admission to the practice of medicine, or who shall present satisfactory evidence of successful professional work actually done, or of the successful prosecution of advanced scientific or professional studies.

II. Degree of Bachelor of Divinity

The University Faculty will recommend for the degree of Bachelor of Divinity candidates who have received the degree of Bachelor of Arts, and who shall have pursued the full course in Theology according to an approved scheme of electives, and shall have presented a thesis of not less than three thousand words, approved by the Theological Faculty. A copy of the thesis must be deposited in the University Library. The University Faculty will not recommend the conferring of this degree for work done *in absentia*.

REQUIREMENTS FOR ADMISSION

General Requirements

All candidates for admission must bring with them testimonials of attainments and of moral character, preferably from their latest instructors, and, if from another college, a certificate of regular dismission.

Candidates for the Freshman class must have completed their fifteenth year, and candidates for a higher class must be advanced in age accordingly.

It is recommended that the candidate be prepared for examination in the requirements as specified, but equivalents will be accepted.

Subjects Required for Admission to the Freshman Class

I. Classical Course

1. MATHEMATICS: Arithmetic, including the metric system of weights and measures; Algebra:—Taylor's Academic Algebra, or an equivalent in other authors; Geometry:—Wentworth's or Chauvenet's Plane Geometry, or an equivalent in other authors.

To enable students to succeed in the study of Mathematics in the university, the studies of the last year of the preparatory course should include a review of both Algebra and Geometry. Much attention also should be given to original work.

2. ENGLISH. The candidate will be required to write a short composition on one of the several subjects announced at the time of the examination.

In 1895, the subjects will be taken from the following: Shakspeare's Merchant of Venice and Twelfth Night, Milton's L'Allegro, Il Penseroso, Comus, and Lycidas, Longfellow's Evangeline, the Sir Roger de Coverley Papers in the Spectator, Macaulay's Essay on Milton, and Essay on Addison, Webster's first Bunker Hill Oration, Irving's Sketch Book, Scott's Abbot.

It is expected that the candidate will be thoroughly familiar with these works.

The candidate will also be required to correct specimens of bad English.

For 1896: Shakspeare's Merchant of Venice and Midsummer Night's Dream, Milton's L'Allegro, Il Penseroso, Comus, and Lycidas, Longfellow's Evangeline, Macaulay's Essay on Milton, Webster's first Bunker Hill Oration, Defoe's History of the Plague in London, Irving's Tales of a Traveller, Scott's Woodstock, George Eliot's Silas Marner.

For 1897: Shakspeare's Merchant of Venice and As You Like It, Scott's Marmion, Longfellow's Evangeline, Burke's Speech on Conciliation with America, Macaulay's Life of Samuel Johnson, Defoe's History of the Plague in London, Irving's Tales of a Traveller, Hawthorne's Twice Told Tales, George Eliot's Silas Marner.

3. HISTORY: Doyle's History of the United States, or Montgomery's Leading Facts; Oman's History of Greece, or the section on Greece in Myers' Ancient History; W. F. Allen's History of the Roman People, or the section on Rome in Myers.

4. PHYSIOLOGY AND HYGIENE. Preparation in some good elementary work on these subjects is expected.

5. LATIN. Cæsar's Commentaries, Books I-IV; six orations of Cicero, including that for the Manilian Law and that for the Poet Archias; six books of Vergil's Æneid; Latin Grammar, (Allen

and Greenough, or Harkness); and Jones's Exercises in Latin Prose Composition. The foregoing requirements are to be understood as indicating the desired amount of work, not necessarily its precise nature. Students are advised to substitute, if circumstances permit, Rolfe's *Viri Romae* for a part of the *Cæsar*, Sallust's *Catiline* for a part of the *Cicero*, and to read some of Ovid before beginning Vergil. Full equivalents will be accepted for any of the authors named. It is especially desirable that candidates should have acquired the ability to translate easy passages in prose and verse at sight.

6. GREEK. Goodwin's or Hadley-Allen's Greek Grammar; three books of Xenophon's *Anabasis*; three books of Homer's *Iliad*, and exercises in Prose Composition. Collar and Daniell's *Beginner's Greek Prose Composition* is recommended.

II. Philosophical Course

1. MATHEMATICS, as for Course I.
2. ENGLISH, as for Course I.
3. HISTORY: In addition to requirements for Course I, the History of England. Some such work as Thompson's *England*, in Freeman's *Historical Series*, or Montgomery's *Leading Facts*, is recommended.
4. PHYSIOLOGY AND HYGIENE, as for Course I.
5. LATIN OR GREEK. Same preparation in either as for Course I.
6. FRENCH OR GERMAN. The requirements in these are the following:

(a) FRENCH. 1. A thorough knowledge of the grammatical inflections, with special attention to the irregular verbs. The amount in Whitney's *Practical French*, or an equivalent, will be

accepted. 2. Enough reading to enable the candidate to translate simple prose at sight. No specific authors or works are designated for examination, but the amount read should be about three hundred pages, of which the larger part should be modern narrative and conversational prose. Five recitations a week during one year should be given to this work.

(*b*) GERMAN. 1. Ability to pronounce German correctly, and to read it with proper intonations. 2. Accurate knowledge of the elements of the grammar. The amount in Joynes-Meissner's Grammar, or an equivalent, will be accepted. 3. Enough reading to enable the candidate to translate simple German at sight. No specific authors or works are designated, but the amount read should be about two hundred pages, of which the larger part should be narrative and conversational prose. Five recitations a week during one year should be given to this work. Preparation by the so-called "natural" method should be supplemented by systematic drill in grammar.

III. Scientific Course

1. MATHEMATICS, as for Course I.
2. ENGLISH, as for Course I.
3. HISTORY, as for Course II.
4. PHYSIOLOGY and HYGIENE, as for Course I.
5. PHYSICS. Some good elementary work on this subject.
6. CHEMISTRY:—through the non-metals. The candidate will be expected to have sufficient preparation to take up Analytical Chemistry in the Freshman year.
7. Two out of the three following languages.
 - (*a*) LATIN: two years' study.
 - (*b*) FRENCH: see 6. (*a*) under requirements for Course II;
 - (*c*) GERMAN: see 6. (*b*) under requirements for Course II.

Admission to Advanced Standing

Candidates for admission to any class higher than the Freshman are examined in the previous studies, or their equivalents, of the class which they wish to enter. Students coming from another college, may, at the discretion of the Faculty, be admitted upon certificate in the studies covered. If, however, they enter after the beginning of the Sophomore year, and desire to compete for Commencement honors, they will be expected to pass examination upon the previous work of the course. No person will be admitted to the University, as a candidate for the Bachelor's degree, after the opening of the second term of the Senior year.

Admission to Special Courses

In exceptional cases, students not under twenty-one years of age, and not members of any one of the four classes, nor candidates for a degree, are admitted to the privileges of the University and allowed to take special courses, selected under the direction of the Faculty. Such students will be required to pass a preliminary examination sufficient to ascertain their qualifications for the course proposed, and are subject to the same regulations and discipline, and to the same examinations in the studies pursued, as those who are candidates for a degree.

They cannot compete for prizes or take part at Commencement. They will rank in the catalogue with the class with which they enter the University. These special courses, however, are not offered to those who are members of one of the regular courses, and who have failed to maintain standing.

Entrance Examinations

Entrance Examinations will be held at the University as follows: Monday and Tuesday, June 17th and 18th, 1895, and again on Tuesday, Wednesday, and Thursday, September 10th, 11th and 12th, following.

All candidates are recommended to present themselves at the June examinations, so that they may have an opportunity to cancel any conditions in September. Those who remain conditioned after the September examinations or receive conditions at that time, may be required by the respective officers to study under an authorized tutor.

For the benefit of students living at a distance, who can not conveniently take the June examinations at the University, arrangements may be made by which examinations shall be held under the direction of a college officer or some other authorized person at some convenient point. Under such circumstances the names must be sent to the Dean of the Faculty not later than May 15th, 1895.

Admission by Certificate

The Pass Cards and College Entrance Diplomas of the University of the State of New York, recently issued, will be accepted as equivalent to the requirements for admission definitely covered by them.

Students, also, who have recently completed a full course of study similar or equivalent to that required for matriculation in any course of this University, may, by special arrangement, be admitted to that course, on the certificate of the Principal of the school from which they come.

Each certificate must state explicitly the subjects on which the candidate has passed a satisfactory examination, and the Principal must certify to the good character and conduct of the pupil.

The Principals of Academies and other preparatory schools who desire to have their students admitted on certificates are invited to correspond with the Dean of the Faculty.

Correspondence in relation to admission to any of the college classes should be addressed to Professor N. L. Andrews.

UNIVERSITY EXTENSION

RALPH W. THOMAS, SECRETARY

The Department of University Extension was organized in October, 1892. Its purpose is to extend higher educational advantages to those who are unable to reside at the University. To this end the department will give needed assistance at the organization of Centres in Central New York, and will arrange for lectures by members of the College Faculty, on the subjects advertised, wherever their services may be required. Each course consists of ten weekly lectures. The University Extension plan comprises lectures, the syllabus, class-work, written-work, guided reading, students' clubs, and final examination at the end of the course. The class-work, written work, students' club, and final examination are voluntary.

While a part of the regular organization of Colgate University, the department aims to carry on its work in connection with the University Extension Department of the University of the State of New York. Final examinations at the Centres are conducted by the State and all records of Extension scholarship are kept at the Regents' office. The actual teaching, however, is done by Colgate professors, whose aim is to arouse at the various Centres something of the spirit which characterizes work at the University.

Applications for circulars, information, assistance in organizing Centres, or courses of lectures offered, should be made to the University Extension Secretary, Colgate University, Hamilton, N. Y. All such applications will receive prompt attention.

In addition to the courses offered below, the Professors in Hamilton Theological Seminary offer courses in Ecclesiastical History, Semitic Literature, Biblical Literature,—The Old Testament, Biblical Literature,—The New Testament, Christian Theology, and Homiletics.

The following is a statement of the University Extension Courses offered by professors in the College with the names of the professors who offer them :



PATH ON THE CAMPUS



BROAD STREET—HAMILTON

Greek Literature

PROFESSOR ANDREWS :

- COURSE 1. Greek Literature (with illustrative readings.)
COURSE 2. History of Ancient Architecture (with stereopticon views.)
 (a) Egyptian.
 (b) Assyrian.
 (c) Greek.
 (d) Roman.

Semitic Literature

PROFESSOR SCHMIDT :

- COURSE 1. The Bible in the Light of Historic Research.
COURSE 2. History of Syria before the Hebrew Invasion.
COURSE 3. History of Egypt.
COURSE 4. Arabia before Muhammad.

Mathematics

PROFESSOR TAYLOR :

- COURSE 1. Algebra.
COURSE 2. Calculus.

Chemistry

PROFESSOR MCGREGORY :

- COURSE 1. Analytical Chemistry.
COURSE 2. Applied Chemistry.

English Literature

PROFESSOR CRAWSHAW :

- COURSE 1. Introductory Course to English and American Literature.
COURSE 2. Studies in Shaksperian Drama. (A series of lectures on separate plays of Shakspeare.)
COURSE 3. Shakspeare's Othello.

- COURSE 4.** The Elizabethan Drama. (Lectures on representative plays of the leading Elizabethan dramatists exclusive of Shakspeare.)
- COURSE 5.** The English Novel.
- COURSE 6.** English Poetry of the Nineteenth Century.
- COURSE 7.** American Literature.
- COURSE 8.** The Study of Literature. (Lectures on the nature, limits, divisions, etc., of literature, methods and principles of study, etc.)

German Literature.

PROFESSOR MOORE:

(Over three hundred stereopticon views are used in illustrating these lectures.)

- COURSE 1.** 1, Old High-German Period.
- 2, Middle High-German Period.
- (a) Nibelungenlied. Illustrated.
- (b) Gudrun and other important works.
- 3, New High-German Period.
- (a) Luther and the Reformation. Illustrated.
- (b) Klopstock and Lessing.
- (c) Goethe. Illustrated.
- (d) Schiller. Illustrated.
- (e) The Romantic School.
- (f) Heine and the Modern Era.
- COURSE 2.** The Germans.
- (1) German Cities, Country, Customs, etc.
- (2) Important Epochs in German History.
- (3) German Literature.

French Literature

PROFESSOR MOORE:

- COURSE 1.** The Seventeenth Century.
- (The greater part of this course is devoted to the life and works of Corneille, Molière, and Racine.)

Geology

PROFESSOR BRIGHAM:

- COURSE 1. The Physical History and Scenery of New York, illustrated with stereopticon views. (The department of Geology is securing a collection of the best photographs, with the view of making this series of illustrations as interesting and as complete as possible.)
- COURSE 2. The geological work of Water, also illustrated by views and field excursions. Rivers, Glaciers, Glacial Periods, Lakes, Underground waters, and the Ocean, are the chief subjects of the course.

History

PROFESSOR SMITH:

- COURSE 1. Prehistoric Man.
- COURSE 2. Political and Institutional History of Rome.
- COURSE 3. The Mediæval Period: Struggle between the Papacy and the Empire.
- COURSE 4. The French Revolution.
- COURSE 5. American History to the Revolution.
- COURSE 6. The Nineteenth Century.
- COURSE 7. Current Economic Questions.

Pedagogy

PROFESSOR THURBER:

- COURSE 1. Contemporary School Systems.
1. German Schools in the Nineteenth Century. Historical.
 2. German Schools in the Nineteenth Century. Descriptive. Illustrated by lantern slides.

3. The Development of the Schools of France since the Franco-Prussian War.
4. English Schools.
5. Unsettled Problems in Contemporary Educational Thought.

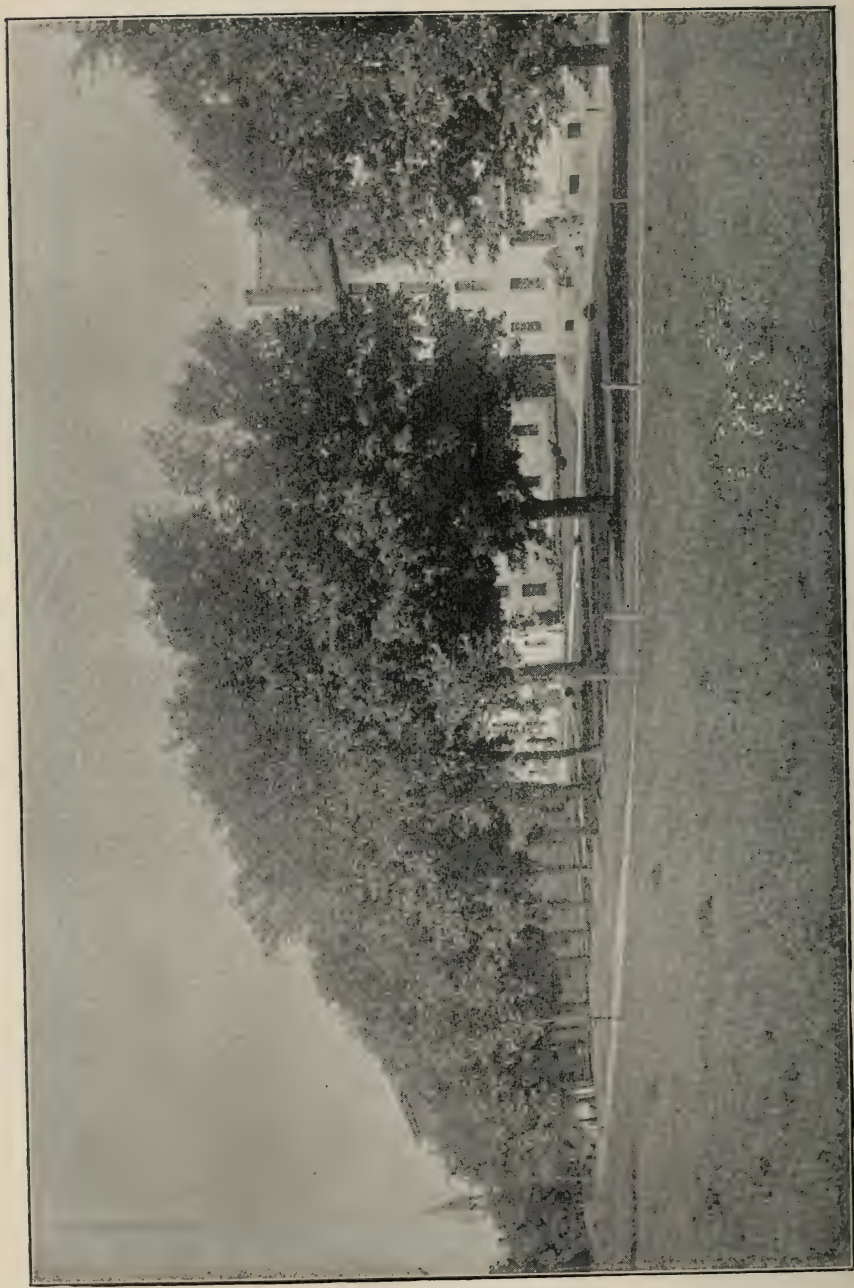
COURSE 2. History of Education.

1. Athenian Schools.
2. Roman Schools.
3. The Rise of Universities.
4. The Reformation.
5. Comenius, Basedow, and some early textbooks. Illustrated by lantern slides.
6. Rousseau and the Emile.
7. Pestalozzi. Illustrated by lantern slides.
8. Froebel and the Kindergarten System. Illustrated.
- 9 and 10. The Development of Education in the United States.

Lectures 5 and 7 are suitable for delivery outside the regular course.

COURSE 3. School Hygiene and School Furniture.

(These lectures are intended primarily for teachers, and the courses will aim to be of practical value in the work of the school-room. At the same time, they will be of interest to trustees, school officers, and all who may be concerned with current educational problems.)



EATON HALL

ALUTINI HALL

WEST COLLEGE

EAST COLLEGE

MATERIAL EQUIPMENT

Grounds and Buildings

The present site of Colgate University was determined by the gift, in 1826, of one hundred and twenty acres of land by Hon. Samuel Payne and his wife. Various additions have been made to the original gift, until now the University grounds cover upward of two hundred acres. Situated near the village of Hamilton, possessed of great natural beauty, with a landscape pleasantly diversified by valley and hill, the location is an ideal one for an institution of learning.

Plans for future improvements have been prepared by Mr. Ernest W. Bowditch, of Boston, one of the leading landscape gardeners of the country. All work on the campus will proceed hereafter in accordance with these plans and under the general supervision of Mr. Bowditch.

The Superintendent of Grounds and Buildings gives close attention to all improvements, and progress is being made toward the highest development of the unusual natural beauty of the campus.

The Athletic Field covers fifteen acres. It contains base-ball and foot-ball grounds, with grand stand, tennis courts, and ample space for field sports generally. Under the auspices of the Athletic Association the usual winter sports afford healthful recreation in their season.

The principal buildings of the college are :

WEST COLLEGE. This building was erected in 1827. It contains two large lecture rooms, the museum of Natural History, the laboratory of Geology and Natural History and accommodations for seventy students.

EAST COLLEGE. This building was erected in 1834. It is the main dormitory, and contains accommodations for about ninety

students, the Janitor's apartments, and bath-rooms furnished with modern appliances. The living rooms in both East and West Colleges are under the supervision of the students' Dormitory Association, subject to the general control of the Superintendent of Grounds and Buildings. This trial of student self-government, instituted several years ago, has proved to be a decided success.

ALUMNI HALL. This building was erected in 1860 by the Alumni and friends of the University. It is known in the University Records as the Hall of Alumni and Friends, and contains the college chapel, the room of the college Young Men's Christian Association, eight lecture rooms, and a large public hall.

THE CHEMICAL LABORATORY was the joint gift of the late President Dodge, Col. Morgan L. Smith, of Newark, N. J., Mr. Thomson Kingsford, of Oswego, and Mr. Samuel Colgate, of New York. It was built in 1884, of Hamilton stone, trimmed with brick, and is well adapted to the purposes for which it was built. The building is occupied by the departments of Chemistry and Physics. On the ground floor are two large lecture rooms, well lighted and furnished with necessary apparatus for illustration and experiment. Additional rooms are provided for the storage of apparatus. On the second floor are the laboratory work rooms, which afford opportunity for an extended course in Analytical Chemistry, both Qualitative and Quantitative. These rooms are occupied as follows: (1) The main room, in which Analytical Chemistry is begun. Each student is provided with a desk, furnished with sink, gas jets, air blasts, and a full set of re-agent bottles, besides apartments for tools and apparatus. The room is also furnished with ventilating hoods for work with volatile or poisonous substances. (2) A laboratory for advanced students, fitted with appliances for delicate and accurate work, including a balance room furnished with accurate balances and other appliances, and supply rooms containing chemicals and apparatus. (3) A furnace room, supplied with an improved furnace and condenser. (4) Dark rooms for photography and mineralogical work. (5) A library and consulting room, supplied with the latest authorities on the science of Chemistry.



THE GYMNASIUM

THE COLGATE LIBRARY. This structure was erected and furnished at a cost of \$150,000, and was the gift of Mr. James B. Colgate. It is fire-proof, and in the completeness of its facilities embraces the best results of the large experience of Melvil Dewey, Director of the New York State Library. It contains, besides the offices and work rooms of the library, two large stack rooms with a capacity sufficient for the growing needs of the University; a spacious reading and consulting room; three seminary rooms; a room for the Baptist Historical Collection; rooms for the use of the Boards of Trustees; the office of the Treasurer of the University, and the room of the Colgate University Press Club.

THE GYMNASIUM. The building erected in 1893-1894 for the department of Physical Culture is now complete. It is eighty-one by ninety-four feet, and fifty feet high, constructed of Oxford blue-stone, trimmed with red sandstone. The first floor contains the Main Hall, sixty-two by fifty feet, with an elliptical running track suspended from the truss roof, and is amply lighted by a large skylight in the center of the roof in addition to the windows at the sides. The Professor's offices, the sparring, fencing, and bicycle rooms, batting cage and Young Men's Christian Association parlor are also on this floor. On the ground floor is the locker room, containing accommodations for four hundred students; adjoining this are tiled-lined bath-rooms, and a swimming tank, fifteen by forty feet. On the floor above the main hall are the trophy, lecture, and students' rooms, and a visitors' gallery overlooking the exercise room and running track. It is hoped that this building will soon be furnished and opened for use.

The Library

The Library is intended to meet the needs of all departments of the University. While the daily needs of the students are not forgotten, the aim is to secure, so far as possible, works that may serve as original sources of information for the members of the Faculty in their personal investigations, and also for those students who may be doing seminary work.

The Library already contains over twenty-three thousand volumes, and is enlarged every year by the expenditure of the income of a library fund of \$25,000. In the Library are included the following special collections:

(1) The President Dodge gift of more than three thousand five hundred volumes, including an extensive and well selected collection of works on Christian Archaeology and art; (2) the Hon. Isaac Davis section, consisting of works on Baptism and works by Baptist authors, annually increased by the income of the fund bequeathed; (3) the William Ward Memorial collection, consisting of Encyclopædias and other works of reference, annually enlarged by the income of a fund given by the late William Bucknell, in memory of Rev. William Ward, D. D., class of 1848; (4) the collection which once formed the library of the American and Foreign Bible Society.

In addition to the contents of the library already mentioned, there is being placed in the library building, in a room especially devoted to its use, the Baptist Historical Collection, now numbering some thirty-five thousand pamphlets and bound volumes. This collection, the gift of Mr. Samuel Colgate, consists of annual reports of associations, state conventions and missionary societies, catalogues of educational institutions, historical sermons and addresses, histories of individual churches, and other documents relating to Baptist history and the religious history of our country. No pains or expense have been spared to make this collection as complete as possible; and it is safe to say that it is the most perfect and, indeed, almost the only collection of its kind in the world. It will be invaluable to future historical writers of the Baptist denomination, and must be of great value to many others. A pamphlet explaining this collection will be sent on application to the Librarian.

The Library is open daily from 8 A. M. to 5:30 P. M., except on Monday afternoons and Sundays. Students are allowed to take books to their rooms, and also have direct and personal access to a collection of two thousand volumes, or more, placed in the reading room. These volumes are changed more or less every term to meet the varying needs of the different departments.

It is the aim of the library staff to make the library of the utmost use to the University. Students of all departments are encouraged to ask for assistance in their work, and to use the reading and seminary rooms for purposes of special investigation, and tables for magazines and current literature as well as the correspondence table are at the service of all.

Apparatus and Collections

The departments of Chemistry and Mineralogy, and Physics, occupy the Laboratory building, and are furnished with very complete apparatus for the purposes of instruction. New articles of apparatus are added constantly as they are needed. The courses in Mineralogy have been enlarged during the past year, and by the purchase of a fine working collection of minerals, together with instruments for the study and determination of minerals, students are now offered a short course of practical work in this interesting study.

The Museum of Geology and Natural History contains the following collections:

The Douglass Herbarium, presented by Dr. J. S. Douglass, filling thirty-three volumes, and illustrating the flora of the Northern United States.

The Zoölogical collections, including alcoholic specimens, chiefly collected by the late Professor W. R. Brooks; the conchological collection, consisting largely of tropical species; an excellent display of corals; and a very large and valuable collection of the birds of Europe, the East Indies, and North America, secured for the University by Professor A. S. Bickmore of New York.

The geological material is arranged in several departments, as follows:

Historical.—An extended series of fossils, illustrating the succession of life in geological time. This collection was purchased for the University by Mr. James B. Colgate, and includes many of Ward's casts of extinct vertebrates.

Systematic.—Affording facilities for comparing the fossil with the existing forms of the several zoölogical groups. This collec-

tion has recently been enriched by the addition of a series of Silurian and Devonian corals, from Michigan and Canada.

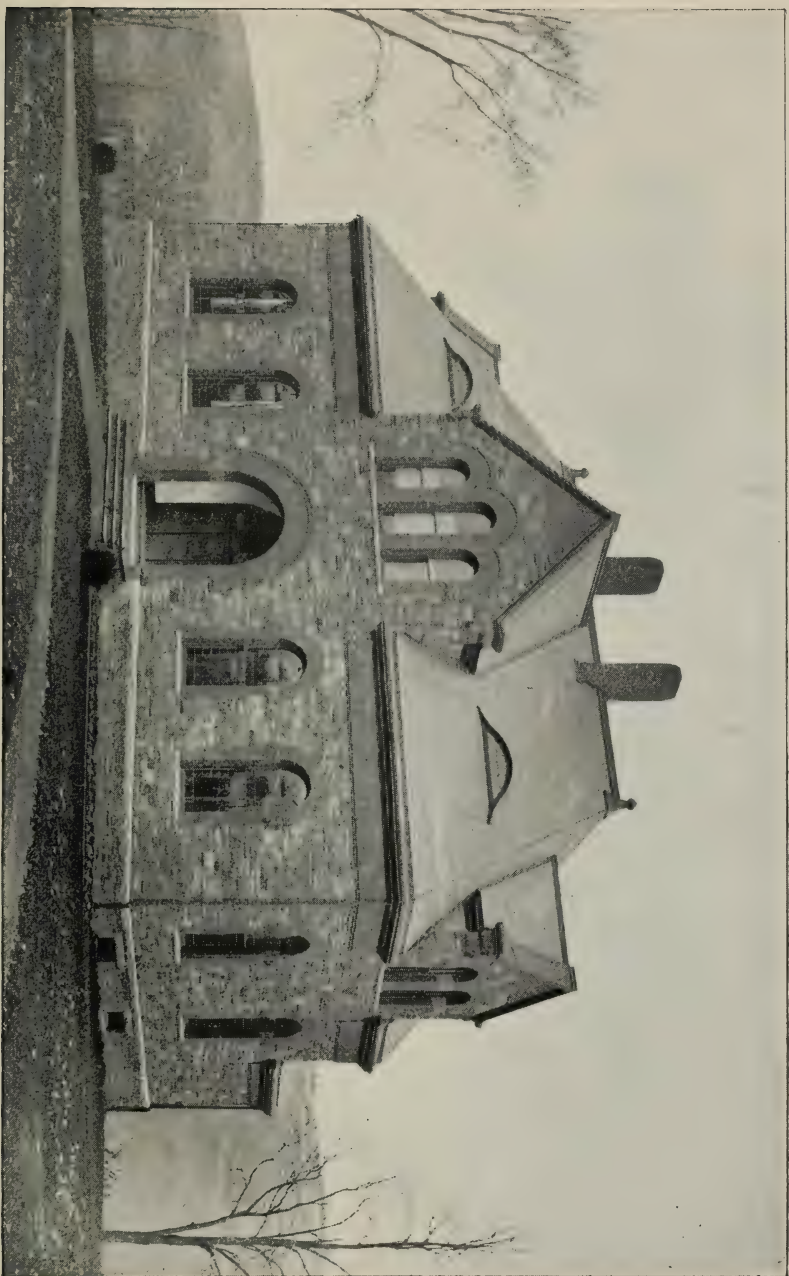
Dynamical.—Here are found a suite of typical lavas and other volcanic products from many parts of the world ; a model of Mount Vesuvius and its environs, and a variety of specimens illustrative of sedimentation, weathering, seashore action, metamorphism, folding, jointing, veins, dikes, and other structures, glacial action, the work of underground water, and the geological effects of organisms.

Lithological.—A typical display of rock-forming minerals and the common rocks resulting from their combination, sedimentary, metamorphic and igneous.

Economic.—This collection was begun by the acquirement of representative building stones of New York and New England. Large additions have recently been made, embracing a wide range of geological materials used in the arts. These additions include several hundred specimens from Colorado, collected at the principal mining camps and from firms in Denver. A highly valuable collection was also secured at the close of the Columbian Exposition, including native gold, silver, copper, ores of gold, silver, platinum, iron, tin, copper, zinc, nickel ; fuels, building and ornamental stones, pigments, fire and plastic clays, asbestos, phosphates, road materials and miscellaneous minerals from all sections of the United States and the British Provinces, embracing a rich collection from the resources of New South Wales.

During the present season, Mr. T. V. Welch, of Oil City, Penn., has presented to the University a very complete and valuable collection illustrative of the petroleum industry. It includes nearly two hundred samples of crude oils, a variety of refined products with models of plants and apparatus.

The lecture room and laboratory are provided with maps, Zittel's and other charts, models, oxyhydrogen lantern, a large variety of slides and photographs, and a lithological lathe. There is also a valuable and very complete outfit of microscopes and other apparatus for biological study, which was donated as a class memorial by the Class of 1889 of this University.



THE CHEMICAL LABORATORY

RESOURCES AND AID

Endowment

Before the Commencement of 1891, the University possessed, in addition to its grounds and buildings, a productive endowment of about half a million dollars ; at that time, it received from Mr. James B. Colgate, of New York, an additional gift of a million dollars, invested and bearing interest. The conditions of this gift are so arranged that the income of one half of the amount becomes available for early improvement of the University and extension of its work, while the income of the other half is added for the present to the principal, and thus provides a steadily growing fund to meet enlarged necessities in the future. This noble gift has strengthened the University in all its work, and opened the prospect of permanent and increasing efficiency.

Expenses

The necessary expenses of a student in Hamilton are exceedingly moderate. Tuition is fixed at a price much lower than that of most eastern institutions, while the dormitories furnish commodious and comfortable rooms at a price merely nominal. Moreover, to worthy and capable students, aid is furnished by the Baptist Education Society of the State of New York, and numerous scholarships and premiums are provided by the University. It is intended, so far as possible, that no diligent, worthy student shall leave the institution for lack of means. The friends of the institution have made noble provision for this purpose, but the constant increase of the number of students and the extension of the usefulness of the University, make imperative the need of further provision in aid of promising students. It is hoped that those interested in higher education will be inclined to establish many other general scholarships, applicable at the discretion of the University to the assistance of worthy and capable young men.

The following list includes most of the necessary expenses of the undergraduate student for one year: Tuition, \$45.00; room rent, \$10.50 or \$15.00, according to the location of the room; to a student rooming alone, the rent is \$21.00 or \$30.00.

An additional fee of \$10.00 a term is incurred by those students who take Analytical Chemistry. This sum is intended to cover the expense of chemicals, gas, and the use of general laboratory apparatus. A deposit of \$5.00 is required of all students in Analytical Chemistry, to cover breakage. Any balance left at the end of the course is returned.

The above expenses are payable each term in advance, except as stated above. No deduction is made on account of absence, unless the student enter a lower class.

The fees for the degrees in course, including diploma, are five dollars each, payable in advance.

Board is obtained in clubs at an average cost of \$2.25 a week. In private families it varies from \$2.50 to \$3.50. The cost of board and room in private houses is from \$3.50 to \$4.50 a week. The students who room in the college dormitories furnish their own rooms. The care of the rooms is in part committed to the janitor, Mr. L. Gilmartin.

University Scholarships

The University also has at its disposal a number of scholarships, designed for all classes of students, whether students for the ministry or not.

THE TREVOR SCHOLARSHIPS—A fund of \$40,000 was given by the late John B. Trevor, of New York, to establish forty scholarships—twenty yielding \$90 a year and twenty yielding \$30 a year each—for the benefit of those who have served in the army or navy of the United States. "Soldiers, or their orphan sons, or sons not orphans, or their brothers, or those dependent on soldiers for support—and in this order of preference—shall have the benefit of these scholarships."

THE GANO SCHOLARSHIP, of \$90, established by Mrs. Eliza Rogers, of Providence, R. I.

THE ELEANOR F. DODGE SCHOLARSHIP, of \$60, established by Mrs. E. F. Dodge, of Providence, R. I.

THE EDWARDS SCHOLARSHIP, of \$72, established by Hervey Edwards, of Fayetteville, N. Y.

THE VAN ANTWERP SCHOLARSHIP, of \$60, established by William M. Van Antwerp, of Albany, N. Y.

THE PALMER SCHOLARSHIP, of \$60, established by Nelson Palmer, Athens, N. Y., class of 1849.

THE COOLIDGE SCHOLARSHIP, of \$54, established by William Coolidge, of Madison, N. Y.

THE PHILLIPS SCHOLARSHIP, of \$30, established by Thomas Phillips, of New York.

THE CRISSEY SCHOLARSHIP, of \$30, established by Benjamin Crissey, of New York.

THE JEFFERSON TILLINGHAST SCHOLARSHIP, of \$30, established by Jefferson Tillinghast, of Newport, N. Y.

THE PEDDIE SCHOLARSHIP, of \$30, established by Thomas B. Peddie, of Newark, N. J.

THE INGALLS SCHOLARSHIPS, two of \$30 each, established by Mr. and Mrs. David W. Ingalls, of Hamilton, N. Y.

THE BENJAMIN F. TILLINGHAST SCHOLARSHIP, of \$50, established by Benjamin F. Tillinghast, of Cortland, N. Y.

THE CYNTHIA BURCHARD ANDREWS SCHOLARSHIP, of \$60, established by the late Mrs. Cynthia Burchard Andrews, of Hamilton, N. Y.

THE PRESIDENT'S SCHOLARSHIPS, ten of \$39 each, designed for young men of character and capacity not preparing for the Christian ministry.

Written applications may be made to the Treasurer of the University, W. R. Rowlands, Hamilton, or to any member of the Faculty, giving name, age, residence, purpose in study, and means of support. Those who apply for one of the Trevor Scholarships should also state the military service for which the scholarship is asked.

The Education Society

Students for the ministry, of suitable character and talents, may receive aid from the Baptist Education Society of the State of New York. The amount furnished varies somewhat according to the needs of the student and his position in the course of study. In addition to the regular contributions made to the society for this purpose, it also has control of a number of scholarships, the income of which is to be expended in the education of young men for the Christian ministry. All communications with reference to the amount and conditions of help for ministerial students should be addressed to the Corresponding Secretary of the Education Society, H. S. Loyd, D. D., Hamilton.

RELIGIOUS SOCIETIES

THE COLLEGE YOUNG MEN'S CHRISTIAN ASSOCIATION is a large and vigorous organization, devoted to the sustaining and extension of religious life among the students. It sustains weekly meetings, Bible classes, and a workers' training class. At intervals through the year, public addresses of interest and value are delivered under the auspices of the association.

THE VOLUNTEER BAND sustains a weekly missionary prayer meeting and a monthly public meeting, on which occasion papers are presented on subjects connected with missionary work. The society conducts correspondence with missionaries in the foreign field, and addresses are delivered before it by returned missionaries on practical topics connected with their experience and work.

THE MISSIONARY MUSEUM contains collections from Greece, Hindustan, Burmah, Siam, China, Mexico, Africa, and other missionary fields, illustrative of the customs, arts, dress, and religious rites of those countries, and is open to all students on application to the Janitor.

PRIZES

"Only those students who are candidates for a degree can compete for prizes, or other college honors."

"No student is allowed to compete for any prize, unless he has passed all examinations prior to the term in which such competition takes place, and has also maintained standing during the term of competition. No credit in class standing is given for prize work. Students admitted to any class with conditions, must pass examination on the subjects in which conditions have been imposed before competing for any prize."

The Dodge Entrance Prizes

Four prizes were established by the late President Dodge for students entering the Freshman class of the Classical Course, to be awarded as follows :

To the three students from Colgate Academy, whose standing during the Academic course shall be the highest, will be awarded a first prize of \$30, a second prize of \$24, and a third prize of \$18, to be paid at the opening of the Freshman year.

A fourth Dodge Prize, of \$18, may be competed for by students entering from other preparatory schools, and also by such members of the Senior Academic class as entered the class during the year. This examination must be passed before the Saturday of the opening week. The officers hearing the Freshman class are the committee of examination and award.

The Kingsford Declamation Prizes

Established by Thomson Kingsford, Esq., of Oswego, N. Y.

By their class record for the year, twelve speakers are chosen from the Freshman, Sophomore, and Junior classes, four from each class. Two speakers from each class receive awards. Premiums of valuable books, for the first and second prizes, are given on Commencement Day to the six successful competitors.

The Baldwin Greek Prizes

These prizes have been established for the Sophomore class by Hon. D. P. Baldwin, LL. D., class of 1856, Logansport, Ind. The examination, from printed papers, is exclusively in writing, and is upon some author, or work of an author, read by the class in the Spring Term of the Sophomore year. It embraces both grammar and subject matter, with exercises in prose composition. There is a first prize of \$18, and a second prize of \$12. No student can compete unless his standing in all departments averages at least 8. The committee of award is not connected with the University. For the present year, the subject is the Philoctetes of Sophocles, and the examination will occur June 8th, 1895.

The Osborn Mathematical Prizes

These prizes, established in honor of the late Professor L. M. Osborn, have been provided for the Junior class by ten of the Alumni and friends of the University. The examination, which is exclusively in writing, is on the subjects of Analytic Geometry and the Calculus. The prizes, three in number, a first prize of \$25, a second prize of \$20, a third prize of \$15, are awarded by some scholar not connected with the University. No student is allowed to compete for these prizes, whose standing in this, or whose average standing in in the other departments, falls below 8. For the present year the examination will occur April 6th, 1895.

The Sophomore Latin Prizes

The examination is in writing on some author, or work of an author, read during the third term of the Sophomore year. It includes, however, more than is required of the class, and embraces translation, grammar and subject matter. There is a first prize of \$25, and a second prize of \$15. No student is allowed to compete unless his average standing in all departments is at least 8. The award is made by some scholar not connected with the University.

The Allen Essay Prizes

Established by the Rev. George K. Allen, Class of 1870

Two prizes, of \$17 and \$13 respectively, are awarded on Commencement Day to two members of the Sophomore class, for excellence in English composition. For the present year one of the following subjects must be chosen:

1. Macaulay's Place in Literature.
2. The Referendum in America.
3. Recent Arctic Explorations.

The Lasher Essay Prizes

Established by George W. Lasher, D. D., Class of 1857

Two prizes of \$17 and \$13 respectively, are awarded on Commencement Day to two members of the Junior class, for excellence in English composition. For the present year the following subjects have been assigned, one of which must be chosen:

1. The Poetical Genius of Dante Gabriel Rosetti.
2. Anarchy and the State.
3. The Agitation Against the House of Lords.

The successful competitors will read their essays before the faculty and students in chapel, on the Friday morning before Commencement.

The following regulations apply to both the Allen and Lasher Prize Essays:

1. Each prize essay must contain not more than fifteen hundred words, and must be so written that the manuscript will show broad margins, and be suitable for binding; it must be signed with a fictitious name; and this fictitious name must be subscribed in the sealed note containing the writer's real name.

2. Before the day appointed for receiving the prize essays each competitor must register his name with the professor of Rhetoric.

3. The essays which receive awards will remain in the possession of the librarian, and will not be returned to the writers.

The Lawrence Chemical Prizes

Maintained by Mr. G. O. C. Lawrence, of Buenos Ayres, S. A.

Two prizes, of \$25 and \$15 respectively, are awarded on Commencement Day, for excellence in Analytical Chemistry. The examination, which is exclusively in writing, is upon the subjects of General and Analytical Chemistry, as given in courses 1-4. Any student in this department, who is a candidate for a degree, may compete for these prizes, provided his work in all other departments is satisfactory, and his average standing in this department is not below 8. The next examination will occur June 5th, 1895.

The Junior Historical Oration Prizes

Established by Edward M. Grout, Esq., Class of 1884

Two prizes of \$60 and \$40 respectively, are awarded to members of the Junior class for excellence in Oratory. These prizes are governed by the following regulations:

1. Any member of the Junior class, candidate for a degree, who has maintained standing up to the term of competition, may present an oration.
2. The oration must be on some historical subject of the nineteenth century.
3. The oration presented must contain not more than two thousand words, and, in general, is subject to the regulations for prize composition.
4. From the whole number of orations presented, six shall be selected for public delivery.
5. The public contest shall be held on the Friday evening preceding the close of the Winter Term.
6. The prizes shall be awarded for excellence of thought and composition and practical effectiveness, rather than for technical excellence of delivery.

The Clarke Oration Prize

Established by Sidney Clarke, Esq., of Grand Forks, N. D.

The contest for this prize occurs at the opening of the Spring Term, and the prize of \$50, for excellence in oratory, is awarded on Commencement Day. The regulations for competition are as follows :

1. Any member of the Senior class, candidate for a degree, who has maintained standing up to the term of competition, may present an oration.

2. The oration presented must contain not more than fifteen hundred words, and, in general, is subject to the regulations for Prize Composition.

3. From the whole number of orations presented, six shall be selected for public delivery.

4. The prize shall be awarded on the ground of excellence both in composition and in delivery.

The following topics are offered for the present year, one of which must be chosen :

1. The Federation of the Anglo Saxon Race.
2. Carnot, Statesman and Patriot.
3. The Relation of the Pulpit to Municipal Reform.
4. The Two Autocrats.
5. The Work of the War Governors.
6. The Legacy of the Scotch-Irish to America.

The Class of 1884 Debate Prizes

The Class of 1884 has established a fund whose annual interest will maintain a public prize debate, to be held during Commencement week. The prizes are \$40 and \$20.

The regulations governing the Class of 1884 Debate Prizes are as follows :

Competition for the Class of 1884 debate prizes shall be open to all members of the graduating class who have elected debates throughout the Senior Year. These prizes shall be awarded on the following conditions :

1. In connection with the work in debate there shall be held each year a preliminary debate for the selection of speakers for the prize debate.
2. Any member of the graduating class whose work in debate during the year shall be deemed worthy of such recognition may be designated as a candidate for the preliminary debate.
3. From the candidates at the preliminary debate, six speakers shall be chosen to be the competitors in the prize debate.
4. At the prize debate, two speakers shall receive awards.
5. The prizes shall be conferred on Commencement Day.

The Lewis Commencement Oration Prize

*Established in Memory of George W. M. Lewis, of Utica, N. Y.,
by the late Professor John James Lewis, LL. D.*

On Commencement Day of each year the sum of \$60.00 will be awarded to that member of the graduating class who excels in the composition and delivery of an original oration.

Regulations of the Competition for the George W. M. Lewis Commencement Prize.

1. Every candidate for a degree, who shall be appointed to speak at Commencement, may compete for this prize.
2. Eight minutes shall be the limit of time for the delivery of each oration.
3. The committee of award shall consist of five persons not residents of Hamilton.
4. The sum of \$60 shall be awarded, without division, to one orator before the close of the Commencement exercises.

REGULATIONS

Few formal laws are laid down by the University for the government of its students. It is expected that each student, during his residence at the University, will conduct himself in all his relations as a gentleman. Beyond this, formal laws are unnecessary. Examinations, oral or written, are conducted each term in the studies of the term. These examinations are conducted publicly, by a committee appointed by the Faculty, and are made a test of the student's proficiency and qualification for advancement. Besides the examination each officer grades the scholarship of his students at each exercise in the following scale of merit: Maximum Grade, 10; Superior, 8; Medium, 6; Inferior, 4; Minimum, 2. At the close of each term, the average standing is recorded.

No student shall be considered to have passed the term examination whose term standing shall not have reached at least 6, such term standing to be made up from the mark for the term's work and the mark for examination, combined in the proportion of 4 to 1. No student, except by special vote of the Faculty, shall be advanced from any class to the next higher, unless he have an average standing of 6 in every department of study.

Delinquents in term examinations, who fail to present themselves at the special examination succeeding, or who fail to pass such examination, are deprived of all privileges of the class room, unless a postponement of examinations to a definite time is granted by special action of the Faculty. The above regulation applies also to students who for any reason shall fail to meet their appointments in public speaking, and shall not have made up the same before the close of the term in which the appointments occurred.

If a student shall marry during his course of study, he thereby dissolves his connection with the University. The question of

re-admission is subject to the discretion of the Faculty, but in no case shall he be allowed to re-enter his class.

The Dean has the general supervision of the choice of elective studies. For Sophomore electives, choices must be registered on or before the first day of each term, but it is desirable that they be reported before the close of the preceding term. After the second Friday night of the term no changes will be allowed, and none before that time, except by special vote of the Faculty. Juniors and Seniors, before the first Friday evening of the Fall term, must make their elections for the entire year. In case of failure so to do, elective studies for the year will be arranged by a committee of the Faculty. Senior and Junior electives may be changed only by consent of the Faculty.

Students pursuing a select course, not candidates for a degree, may upon application to the President receive a certificate stating the courses which they have successfully completed. No degree, however, can be conferred, or certificate given, unless the applicant shall have sustained a good moral character, settled all college bills, and returned all books and paid all fines to the Library.

Only those students who are candidates for a degree can compete for prizes or other college honors. But all who enter the regular courses, candidates for a degree, are placed upon an equal footing in such competition, unless specified conditions are made.

No student is allowed to compete for any prize, unless he has passed all examinations prior to the term in which such competition takes place, and has also maintained standing during the term of competition. No credit in class standing is given for prize work. Students admitted to any class with conditions, must pass examinations on the subjects in which conditions have been imposed, before competing for any prize.

No student is expected to be absent from any college exercise except in cases of necessity. In order, however, to provide for necessary absences of students, a certain number of absences will be allowed in each subject in accordance with the following regulations :

1. No student shall be allowed to absent himself from more

than one-tenth of the whole number of exercises in any course during one term.

2. Any student desiring to be excused from reciting in any exercise shall be charged with absence.

3. No absence in excess of the number allowed shall be excused for any cause whatever.

4. Any student exceeding his allowed number of absences shall be expected to pass all reviews and term-reviews, and shall afterwards be required to pass a special examination before the first Saturday night of the following term. Failing to pass the said special examination, the student shall be required to take the subject again in the class room. Failing to present himself for the special examination, the student shall be debarred from recitation in any subject until he shall take the said special examination.

5. Continued absence, without cause, in excess of the allowed number of absences, may become a subject for discipline.

6. As respects attendance at chapel, the same proportion of absences shall be allowed as in the case of class room exercises.

7. Excess of the allowed number of absences from the chapel exercises may become a subject for discipline.

STUDENTS

SENIOR CLASS

JOHN BENJAMIN ANDERSON, Minneapolis, Minn.	I 20 W. C.
JOHN STILLWELL APPLGATE, Redbank, N. J.	I Δ K E Pierce Memorial.
EMERY ARTHUR BACON, Leyden.	I College Street.
WILL EDWIN BOGART, Masonville.	I Mr. A. Sisson's.
BYRON ARTHUR BOWN, Fairport.	I Δ Y House.
GEORGE HENRY CARR, Clarence.	I Miss Barnes's.
HOWARD ELDRIDGE CHESTER, Albion.	I Beta Theta Pi House.
DANIEL HUNT CLARE, Newark, N. J.	I 21 W. C.
HOWARD WILLIAM CRYDENWISE, III Norwich.	I Δ K E Pierce Memorial.
JESSE BUTRICK DAVIS, Detroit, Mich.	I Δ Y House.
ELMER DANIEL GRANT, Westville.	I Δ Y House.
JOHN WILLIAM GRIFFITH, Nanticoke, Pa.	I Δ Y House.

FREDERICK WILLIAM HATCH, Washington, D. C.	I	Phi Gamma Delta House.
J. ARTHUR HILTON, Brooklyn.	III	Mrs. D. P. Hill's.
FAYETTE SMITH MUNRO, Camillus.	I	$\Delta K E$ Pierce Memorial.
PHILIP ALLEN MUNRO, Camillus.	I	$\Delta K E$ Pierce Memorial.
HERBERT EDWARD NIMS, Decatur, Ill.	I	Phi Kappa Psi House.
EDWARD HOWARD SHELDON, Wakefield, Mass.	II	Miss Barnes's.
LOUIS ALMON SQUIRES, Cortland.	II	$\Delta K E$ Pierce Memorial.
MARKHAM WINSLOW STACKPOLE, Hamilton.	I	Broad Street.
JAMES PADDOCK TAYLOR, Hamilton.	I	Professor Taylor's.
JAMES OLIN TURNER, Middletown, Conn.	I	Beta Theta Pi House.
ABBOTT REVERE WALKER, Washington, D. C.	I	Phi Gamma Delta House.
WILLIAM PARMELEE WATERHOUSE, Beaufort, S. C.	II	Miss Berry's.
FRANK MARTIN WILLIAMS, Durhamville.	I	Phi Gamma Delta House.
GEORGE DAVID WILLIAMS, Durhamville.	I	Phi Gamma Delta House.
HERBERT DANIEL WINTERS, Dundee.	I	Phi Kappa Psi House.
WALTER PAYNE WINTERS, De Land, Fla.	I	Phi Kappa Psi House.
SENIORS,	.	.

JUNIOR CLASS

ABRAHAM LINCOLN ABERCROMBIE, I	Mrs. Manchester's. Pomona, Fla.
IRA WILCOX BINGHAM, II	Phi Gamma Delta House. Spencer.
WILLIAM EDWARD BRADFORD, III	ΔY House. Owatonna, Minn.
WILLIAM HENRY BROWN, II	Mrs. F. R. Brown's. Dresserville.
JOHN PILLSBURY CARTER, I	Phi Gamma Delta House. Concord, N. H.
JOSEPH BERTRAM CRANDALL, I	ΔY House. Brooklyn.
FRANK ERNEST FORD,* I	16 W. C. Camden.
BURT BUDINGTON GRENELL, I	ΔY House. Detroit, Mich.
WALTER LINCOLN HUGHES, II	13 W. C. Brooklyn.
WALTER ADNA LEONARD, I	Phi Kappa Psi House. Hoosick Falls.
FREDERICK CROSBY LOVETT, I	Phi Kappa Psi House. Brandon, Vt.
CHARLES ELMENDORF MILLS, I	ΔY House. Dennysville, Me.
CYRUS WILLIAM NEGUS, I	$\Delta K E$ Pierce Memorial. Penn Yan.
ARTHUR CHASE ROWE, I	ΔY House. Poughkeepsie.

*Deceased, September 21st, 1894.

CHARLES RUNYON, Stelton, N. J.	III Mr. W. B. Vassar's.
FRANCIS ABNER SMITH, West Winsted, Conn.	I <i>Δ K E</i> Pierce Memorial.
PIERPONT LANGLEY STACKPOLE, Hamilton.	I Broad Street.
ELMER LEROY STEEN, Owego.	I 12 W. C.
JOHN CLARK TIBBITTS, Utica.	II 25 E. C.
WILLIAM LOUIS WHEELER, Hamilton.	III Mrs. Wheeler's.
FOSTER HAMILTON WHITE, Seneca Falls.	I Beta Theta Pi House.
WILLIAM HOADLEY WINEGAR, Amsterdam.	I Professor Brigham's.
HARRY SUNDERLAND WINTERS, De Land, Fla.	I Phi Kappa Psi House.

Not a Candidate for a Degree.

KENNETH CLARK HICKS, Canandaigua.	<i>Δ K E</i> Pierce Memorial.
JUNIORS,	

24

SOPHOMORE CLASS

FRANKLIN LUTHER BARKER, Homer.	I Phi Kappa Psi House.
ESMOND BARTON BEARDSLEE, Little Meadow, Pa.	I 12 W. C.
JOSHUA GREGORY BOOMHOWER, Delhi.	I Mr. F. H. Ingalls's.

CHARLES WHITMAN BRIGGS, Deposit.	I Mrs. M. D. Kinmonth's.
EDWARD BROWN, Martville.	II Phi Gamma Delta House.
L. J. CALDWELL, Amsterdam, N. Y.	II Δ Γ House.
NELSON LEONARD COLEMAN, Red Creek.	I Δ Γ House.
JOHN BARBER CREIGHTON, Malone.	II Δ Γ House.
JOHN WELLINGTON FINCH, Earlville.	I Δ K E Pierce Memorial.
WARWICK STEPHEN FORD, Camden.	I Beta Theta Pi House.
JAMES EDWARD GRANT, Hamilton.	III Mr. J. B. Grant's.
FRANCIS WAYLAND GODDARD, Ningpo, China.	I Miss Berry's.
HENRY DAVID GRAY, Auburn.	II Δ Γ House.
GLEN ARNOLD GROVE, Fayetteville.	I 2 W. C.
WILLIAM GUILLAN, Brooklyn.	I Phi Kappa Psi House.
ARTHUR JOHN HAGGETT, Brooklyn.	I Mr. F. H. Ingalls's.
LAMONT FOSTER HODGE, Reading, Pa.	I Beta Theta Pi House.
WILLIAM THOMAS HUDSON, Auburn.	III 9 W. C.
EDGAR RHUEL HYDE, Groton.	I Phi Gamma Delta House.

EDGAR SHUGERT INGRAHAM, Oil City, Pa.	II 37 W. C.
WILLIAM BAXTER KELSEY, Brooklyn.	II 13 W. C.
CLARENCE DARWIN KINGSLEY, Syracuse.	III 4 Y House.
ZALMON CHASE LARIEW, Waverly.	I Phi Gamma Delta House.
ERNEST NEAL LYON, Jersey City, N. J.	I Phi Gamma Delta House.
BEAUMANN LOWE NEWKIRK, Broadalbin.	II 32 E. C.
JOHN MILTON OAKSFORD, Gloversville.	I Eaton Street.
ERNEST ARTHUR PRENTICE, Little Falls.	I 4 Y House.
HENRY BAILEY RATHBONE, New York.	II Phi Kappa Psi House.
RAYMOND PARSONS ROBERTS, Perth Amboy, N. J.	III 4 K E Pierce Memorial.
ROBERT GILLIN SEYMOUR, JR., Lowell, Mass.	I 4 K E Pierce Memorial.
DILL BRONSON SMITH, Hamilton.	I Mr. LaMott Smith's.
KENDALL PROCTOR SMITH, West Winfield.	I 4 K E Pierce Memorial.
EDWIN CYRUS TANNER, Fenner.	I Mott Block.
WALTER HAMMOND WILEY, Ballston Spa.	II 4 K E Pierce Memorial.
CYRUS GEORGE WILSON, Fenner.	I 16 W. C.

HOWELL ROLAND WOOD, Auburn.	III Δ K E Pierce Memorial.
WESLEY EVERETT WOODS, Collinsville, Conn.	III Δ K E Pierce Memorial.

Not Candidates for a Degree.

ARTHUR BURNETT ALDRICH, Moravia.	Beta Theta Pi House.
WILLIAM EDWARD BABCOCK, Constantia.	35 W. C.
FRANK HERRICK NEWLAND, Clifton Springs.	Mrs. F. H. Newland's.
JAMES ARTHUR ROLFE, North Manlius	Mott Block.
CHARLES SCHWEICKERT, New York.	23 E. C.
SOPHOMORES, - - - - -	42

FRESHMAN CLASS

DICKRAN HAROOTUNE AVAKIAN, Troy.	I Phi Gamma Delta House.
ULYSSES FAYETTE AXTELL, Barbourville.	I Mrs. Baum's.
IRVING BACON, El Cajon, Cal.	III Mrs. C. Smith's.
MYRON EDWIN BAILEY, Minneapolis, Minn.	I 20 W. C.
WILLIAM WALKER BARKER, Predonia.	I 35 W. C.

THEODORE FRENCH BROOKINS, Norwich.	III 36 E. C.
JOSEPH FINTON BULLOCK, Crosby.	III 22 E. C.
JOHN GOODING CARPENTER, Westport.	II Mrs. Bates's.
ARTHUR WARREN COLLARD, Paterson, N. J.	I Beta Theta Pi House.
BERT ARTHUR COOK, Minneapolis, Minn.	III $\Delta K E$ Pierce Memorial.
THOMAS WESLEY DAMMES, New York.	I Mrs. D. Reed's.
MILTON SQUIRES DEAN, Binghamton.	I Mr. H. Tibbits's.
STEPHEN EARLY, Owatonna, Minn.	I Phi Kappa Psi House.
FRED PRATT ERNSBERGER, Auburn.	III $\Delta K E$ Pierce Memorial.
HIRAM LOREN FASSETT, Scottsville, Pa.	I 28 W. C.
SPENCER JAMES FORD, Camden.	II Beta Theta Pi House.
HOWARD MARVIN GAYLORD, Bristol, Conn.	II Mrs. Bates's.
WILLIAM WALTER GRANT, Delhi.	I Miss Bronson's.
ALTON LAWRENCE HALL, Madison.	I Beta Theta Pi House.
ASA ZADEL HALL, Madison.	I Beta Theta Pi House.
HARRY HERBERT HAYS, Dundee.	III College Street.

HENRY JAMES HAYSON, Montreal, Can.	I Mrs. Bates's.
FREDERICK CHARLES HICKS, Auburn.	II 15 W. C.
RICHARD DWIGHT HUDSON, Auburn.	II 15 W. C.
STEPHEN SANBORN HUSE, JR., Newton Junction, N. H.	I Mr. W. R. Rowlands's.
MATTHEW FRANCIS HYLAND, Hamilton.	II Mrs. M. J. Hyland's.
FREDERICK BIRD JONES, Auburn.	I 22 W. C.
ELBERT HILLIS LOYD, Gloversville.	II Mr. Goodrich's.
THOMAS D'ARCY LUCUS, New York City.	I Mr. J. C. Waldron's.
ANTONIO MANGANO, Hempstead.	I 28 E. C.
ALLEN LAPP METZ, Williamsville.	I Dr. Tompkins's.
EDWIN MERRILL RANDOLPH, St. Louis, Mo.	I 2 W. C.
ALPHEUS BRUCE REYNOLDS, Victory.	I Mrs. James's.
ARTHUR FREEMAN RHINEHART, Westville Centre.	III 28 W. C.
CHARLES HATCH SEARS, Delphi.	I 36 E. C.
HARRY MEEKER SHELDON, Westport.	II Mr. Bixby's.
DAYTON FULLER SMITH, Hamilton.	III Mr. S. D. Smith's.

JOHN MOORE STILES, Deposit.	I Mrs. Bonney's.
MERTON ERNEST STUBBS, Colorado Springs, Colo.	II J K E Pierce Memorial.
ROBERT DOUGLASS TABER, Skaneateles.	I 35 W. C.
JEREMIAH MCKAY THOMPSON, Dundee.	II 22 E. C.
FRED WILLIAM TOMLINSON, Wales Centre.	I 24 E. C.
JULIUS TUCKERMAN, Saxton's River, Vt.	I Mrs. Bates's.
EDWIN THEODORE WELCH, Oil City, Pa.	II 37 W. C.
MORGAN WHITE, Hamilton.	II Mr. S. D. White's.

Not Candidates for a Degree.

ABRAHAM LINCOLN BOYNTON, Ausable Forks.	34 E. C.
FRANCIS ALBERT CUNNINGHAM, Brooklyn.	48 E. C.
CHARLES LAMOTT DOUGLASS, Poolville.	Mr. Samuel Hopkins's.
FREDERICK VALENTINE EMERSON, Tillotson, Pa.	Mrs. N. W. Parker's.
BENJAMIN FRANCIS GEHRING, Busti.	Mrs. Clark's.
GEORGE WILSON JONES, Utica.	24 E. C.
CLAYTON GASTON MABEY, Fleming.	Mrs. Bates's.

WILLIAM GANSFORD MACK, Wolcott.	Phi Kappa Psi House.
EDWARD ALLISON MEAD, New York.	Mr. J. E. Morgan's.
SAMUEL MCMINIS, Banbridge, Ireland.	20 W. C.
HENRY BEAUMONT MORRELL, Lakewood, N. J.	Mrs. Bates's.
THEODORE OSOL, Boston, Mass.	Mrs. James's.
LOUIS ALVAH PICKETT, Kenyonville.	37 E. C.
LOUIS ABLEMAN STREMPLE, Albany.	Mrs. James's.
GEORGE WILLIAM STROBEL, Ohio.	Beta Theta Pi House.
MICHAEL ELLSWORTH WHEELER, Black Rock, Md.	Phi Gamma Delta House.

FRESHMEN,	61
-----------	----

SUMMARY

SENIORS,	28
JUNIORS,	24
SOPHOMORES,	42
FRESHMEN,	61
Total,	155

ABBREVIATIONS

E. C.,	East College
W. C.,	West College

COMMENCEMENT WEEK

June 17th=21st, 1894

SUNDAY, JUNE 17th

- 80:30 A. M. Baccalaureate Sermon by Professor N. L. ANDREWS.
7:30 P. M. Sermon before the Theological Seminary by HENRY C. MABIE, D. D., of Boston, Mass.

MONDAY, JUNE 18th

- 2:00 P. M. Opening of the New Gymnasium.
5:00 P. M. Organization of Alumni Association of Colgate Academy.
7:30 P. M. Kingsford Prize Declamations.

TUESDAY, JUNE 19th

- 9:00 A. M. Meetings of the Boards of Trustees.
10:00 A. M. Graduating Exercises of Colgate Academy.
3:00 P. M. Class of 1884 Prize Debate.
7:30 P. M. Anniversary of the Education Society. Address by Rev. D. B. JUTTEN, of Fall River, Mass.

WEDNESDAY, JUNE 20th

- 10:00 A. M. Theological Seminary Commencement. Address to the Graduating Class by Professor W. H. MAYNARD.
2:00 P. M. Business Meeting of the Phi Beta Kappa Society.
2:30 P. M. Class Day Exercises.
7:30 P. M. Meeting of the Alumni Association. Oration by Rev. WARREN G. PARTRIDGE, A. M., Class of 1878, of Scranton, Pa.
9:00 P. M. Promenade Concert in the Gymnasium.

THURSDAY, JUNE 21st

- 10:00 A. M. University Commencement.
1:00 P. M. Alumni Dinner.

COMMENCEMENT EXERCISES

Thursday, June 21st, 1894

INVOCATION

MUSIC

ORATION	Wendell Phillips
	MR. BRIGGS
ORATION	John Greenleaf Whittier
	MR. BROWNELL
ORATION	Loyalty to Life
	MR. GALPIN
ORATION	Self-Determination Essential to Character
	MR. GODDARD
ORATION	The Oratory of the American Revolution
	MR. MORRIS
ORATION	The Need of a Better Citizenship
	MR. NEWELL
ORATION	Darkness and Dawn
	MR. RISLEY
ORATION	The Future of Canada
	MR. SCHMIDT
ORATION	Gladstone, the Christian Patriot
	MR. STELLE
ORATION	Americanism
	MR. STRONG

DEGREES

Conferred June 21st, 1894.

Ph. B.

WILLIAM HUNTER, JR.
ALBERT EDWIN LARKIN
HARRY EMORY NEWELL

A. B.

CYRUS ALDRICH
FREDERICK CURTIS BECKER
MERRILL JAY BLANDEN
GEORGE ALBERT BRIGGS
CLARK TINKHAM BROWNELL
SAMUEL TORREY REED CHENEY
WAYLAND MORGAN CHESTER
GEORGE WATSON COBB
BURT HENRY EDDY
JAMES ROMULUS EDWARDS
FRED TOWER GALPIN
WILLIAM DEAN GODDARD
JOHN HOPKINS LEETE
HERBERT E. MARTIN
FRANK RICHARD MORRIS
HARRY EDWARD PURINTON
ADNA WOOD RISLEY
ALFRED WILLIAM ROGERS
EMANUEL SCHMIDT
CLIFFORD STARK
WILLIAM BERGEN STELLE
WILLIAM MAHLON STRONG
HERBERT VAN KIRK
FRANK GRENELL WILLCOX

A. M. (in course)

GEORGE DURWARD ADAMS
 WILLIAM MARVIN BENNETT
 HERBERT MORSE BURCHARD
 SAMUEL COLGATE, JR.
 OSCAR KING DAVIS
 FRANK HENRY DIVINE
 JOHN BERNARD EKELEY
 ERWIN CHARLES HARMON
 GOVE GRIFFITH JOHNSON
 MATTHEW CHAPMAN KEMPSEY
 WALTER SCOTT LATTIMER
 CEYLON HARRIS LEWIS
 ALBERT EDWIN LOCKHART
 MOSES JASPER MARTIN
 HOWLAND CYRUS MERRILL
 GEORGE HENRY MEYER
 WILLIAM LANGDON NASH
 FREDERICK WILLIAM ROWE
 ELMER WILLIAM SMITH
 KIRK WILLIAM THOMPSON
 HENRY JOSEPH WHALEN
 WILLIAM ANDREW WILSON
 HOMER FENTON YALE

M. S. (in course)

WILLIAM HENRY WHALEN.

A. M. (honorary)

REV. SAMUEL JOSEPH DOUGLASS, Class of 1858.

D. D.

REV. GILES H. HUBBARD, Class of 1875, Auburn, N. Y.

REV. E. E. CHIVERS, Buffalo, N. Y.

LL. D.

HON. CHARLES CARROLL BONNEY, Chicago, Ill.

HONORS

Phi Beta Kappa

The following members of the class of 1894 were admitted to the Phi Beta Kappa Society :

GEORGE ALBERT BRIGGS
WAYLAND MORGAN CHESTER
WILLIAM DEAN GODDARD
JOHN HOPKIN LEETE
FRANK RICHARD MORRIS
ADNA WOOD RISLEY
EMANUEL SCHMIDT

The Lewis Commencement Oration Prize

ADNA WOOD RISLEY

Committee of Award :

GEORGE L. STEDMAN, ESQ., Albany
HENRY A. CORDO, D. D., Cortland
HENRY THOMPSON, ESQ., New York
Rev. W. T. C. HANNA, Bradford, Pa.
EDWIN H. RISLEY, ESQ., Utica

The Clarke Oration Prize

FRANK RICHARD MORRIS

Committee of Award :

Professor HENRY S. WILLIAMS, New Haven, Conn.
Professor CHARLES HERBERT THURBER, Hamilton
ELMER WILLIAM SMITH, Hamilton

The Junior Oration Prizes

DANIEL HUNT CLARE
GEORGE HENRY CARR

First
Second

Committee of Award:

Professor ARTHUR JONES, Hamilton
 Hon. D. G. WELLINGTON, Hamilton
 Gen. WILLIAM M. WEST, Hamilton

The Class of 1884 Debate Prizes

ADNA WOOD RISLEY
 WILLIAM MAHLON STRONG

First
Second

Committee of Award:

Hon. JOSEPH MASON, Hamilton
 Rev. ROBERT T. JONES, Ithaca
 Rev. DAVID E. POST, Woodside

The Lawrence Chemical Prizes

HERBERT EDWARD NIMS
 JOHN WILLIAM GRIFFITH

First
Second

Committee of Award, Professor JAMES LEWIS HOWE, Washington and Lee University.

The Lasher Essay Prizes

JOHN BENJAMIN ANDERSON
 HERBERT DANIEL WINTERS

First
Second

Committee of Award, Professor ASA O. GALLUP, A. M., University of the State of New York.

The Allen Essay Prizes

FRANK ERNEST FORD
 WILLIAM HENRY BROWN

First
Second

Committee of Award, Professor ROLAND D. KEYSER, Ph. D., University of the State of New York.

The Baldwin Creek Prizes

BURT BUDINGTON GRENELL
 JOSEPH BERTRAM CRANDALL

First
Second

Committee of Award, Professor M. L. D'OOGHE, LL.D., University of Michigan.

The Osborn Mathematical Prizes

HERBERT EDWARD NIMS

First

ELMER DANIEL GRANT

Second

MARKHAM WINSLOW STACKPOLE

Third

Committee of Award, Professor OREN ROOT, D. D., Hamilton College.

The Sophomore Latin Prizes

SUMNER REDWAY VINTON

First

JOSEPH BERTRAM CRANDALL

Second

Committee of Award, Professor CHARLES E. BENNETT, Cornell University.

The Kingsford Declamation Prizes

CLASS OF 1895

JESSE BUTRICK DAVIS

First

DENNIS JOSEPH BUSTIN

Second

CLASS OF 1896

SUMNER REDWAY VINTON

First

FRANCIS ABNER SMITH

Second

CLASS OF 1897

BEAUMANN LOWE NEWKIRK

First

GLEN ARNOLD GROVE

Second

Committee of Award: WILLIAM M. LAWRENCE, D. D., Chicago, Ill.; Hon. CEYLON H. LEWIS, Syracuse; Professor DANA C. MUNRO, Philadelphia, Pa.; Principal GEORGE B. TURNBULL, Colorado Springs, Colo.; WILLIAM MACOMBER, Esq., Buffalo

The Dodge Entrance Prizes

CLASS OF 1898

Awarded to students prepared for college at Colgate Academy.

GEORGE BENNETT

First

FRED WILLIAM TOMLINSON

Second

EDWIN MERRILL RANDOLPH

Third

ALUMNI ASSOCIATION

The membership of this Association is composed of graduates from any one of the collegiate or theological courses of study in Colgate University, and of such persons as have received honorary degrees from the University, and who, after application, are elected at the annual meeting. It also includes associate members duly elected at the annual meeting.

Officers for 1894-1895

PRESIDENT

EDWARD M. GROUT, ESQ., (1884) Brooklyn

VICE PRESIDENTS

ALVAH S. HOBART, D. D., (1873)	Yonkers
REV. CHARLES A. PIDDOCK, (1872)	Hartford, Conn.
REV. GEORGE R. ROBBINS, (1874)	Cincinnati, O.
PRINCIPAL GEORGE B. TURNBULL, (1880)	Colorado Springs, Colo.

SECRETARY

CHARLES W. UNDERHILL, ESQ., (1862) Hamilton

TREASURER

PROFESSOR JAMES M. TAYLOR, LL. D., (1867) Hamilton

ORATOR

HON. CEYLON H. LEWIS, (1873) Syracuse

ALTERNATE

HON. JOSEPH S. LAWRENCE, (1875) Sioux City, Ia.

NECROLOGIST

PROFESSOR JOHN GREENE, PH. D., (1873) Hamilton

CALENDAR

1894

1895

SEPTEMBER							JANUARY							MAY							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						I															I	2	3	4	5	6	7
2	3	4	5	6	7	8	6	7	8	9	10	11	12	5	6	7	8	9	10	11	8	9	10	11	O	13	14
9	10	11	12	O	14	15	13	14	15	16	17	18	19	12	13	14	15	16	17	18	15	16	17	18	19	20	21
16	17	18	19	20	21	22	20	21	22	23	24	25	26	19	20	21	22	23	24	25	22	23	24	25	26	27	28
23 30	24	25	26	27	28	29	27	28	29	30	31			26	27	28	29	30	31		29	30					
OCTOBER							FEBRUARY							JUNE							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		I	2	3	4	5							I	2						I			I	2	3	4	5
7	8	9	10	11	12	13	3	4	5	6	7	8	9	2	3	4	5	6	7	8	6	7	8	9	10	11	12
14	15	16	17	18	19	20	10	11	12	13	14	15	16	9	10	11	12	13	14	15	13	14	15	16	17	18	19
21	22	23	24	25	26	27	17	18	19	20	21	22	23	16	17	18	19	C	21	22	20	21	22	23	24	25	26
28	29	30	31				24	25	26	27	28			23 30	24	25	26	27	28	29	27	28	29	30	31		
NOVEMBER							MARCH							JULY							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					I	2							I	2						I						I	2
4	5	6	7	8	9	10	3	4	5	6	7	8	9	7	8	9	10	11	12	13	3	4	5	6	7	8	9
11	12	13	14	15	16	17	10	11	12	13	14	15	16	14	15	16	17	18	19	20	10	11	12	13	14	15	16
18	19	20	21	22	23	24	17	18	19	20	21	22	23	21	22	23	24	25	26	27	17	18	19	20	21	22	23
25	26	27	28	29	30		24 31	25	26	27	28	29	30	28	29	30	31				24	25	26	27	28	29	30
DECEMBER							APRIL							AUGUST							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						I							I	2	3					I	2	3	4	5	6	7	
2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10	8	9	10	11	12	13	14
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17	15	16	17	18	19	X	21
16	17	18	19	X	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	22	23	24	25	26	27	28
23	24	25	26	27	28	29	28	29	30					25	26	27	28	29	30	31	29	30	31				
30	31																										

C—Commencement.

O—Opening of Fall Term.

X—Close of Fall Term.

UNIVERSITY CALENDAR

1894.

- September 13.* Fall Term commenced, Thursday.
- December 18-20.* Term-Examinations, Tuesday, Wednesday, Thursday.
- December 20.* Fall Term closed, Thursday.

Vacation of Two Weeks

1895.

- January 4.* Winter Term commenced, Friday.
- January 5.* Special Examinations, Saturday.
- January 31.* Day of Prayer for Colleges, Thursday.
- February 22.* Holiday, Washington's Birthday, Friday.
- March 6.* Clarke Prize Orations presented, Wednesday noon.
- March 22.* Junior Oratorial Exhibition, Friday.
- March 25-27.* Term-Examinations, Monday, Tuesday, Wednesday.
- March 27.* Winter Term closes, Wednesday.

Vacation of One Week

- April 4.* Spring Term commences, Thursday.
- April 6.* Special Examinations, Saturday.
- April 6.* Osborn Mathematical Prize Examination, Saturday.

- April 10.* Lasher and Allen Prize Essays presented,
Wednesday noon.
- April 12.* Clarke Prize Exhibition, Friday.
- April 19.* Patrons' Day, Friday.
- May 9.* Commencement Orations presented,
Thursday noon.
- May 30.* Holiday, Memorial Day, Thursday.
- June 1.* Sophomore Latin Prize Examination,
Saturday.
- June 5.* Lawrence Chemical Prize Examination,
Wednesday afternoon.
- June 8.* Baldwin Greek Prize Examination, Satur-
day.
- June 12-14* Term Examinations, Wednesday, Thurs-
day, Friday.
- June 17, 18.* First Entrance Examinations, Monday,
Tuesday.
- June 17.* Kingsford Prize Declamation, Monday
afternoon.
- June 18.* Anniversary of Colgate Academy, Tuesday
morning.
- June 18.* Class of 1884 Prize Debate, Tuesday
afternoon.
- June 18.* Meeting of University and Education
Society Boards, Tuesday.
- June 18.* Annual Meeting of the Education Society,
Tuesday evening.
- June 19.* Anniversary of the Seminary, Wednesday
morning.

- June 19.* Meeting of the Alumni Association,
Wednesday evening.
- June 20.* SEVENTY-FIFTH COMMENCEMENT of Colgate
University, Thursday.

Vacation of Twelve Weeks

- September 10-12.* Second Entrance-Examinations, Tuesday
Wednesday, Thursday.
- September 12.* Fall Term commences, Thursday.
- September 14.* Special Examinations, Saturday.
- November 5.* Holiday, Election Day, Tuesday.
- November 28-30.* Thanksgiving Recess, Thursday, Friday,
Saturday.
- December 18-20.* Term-Examinations, Wednesday, Thurs-
day, Friday.
- December 20.* Fall Term closes.

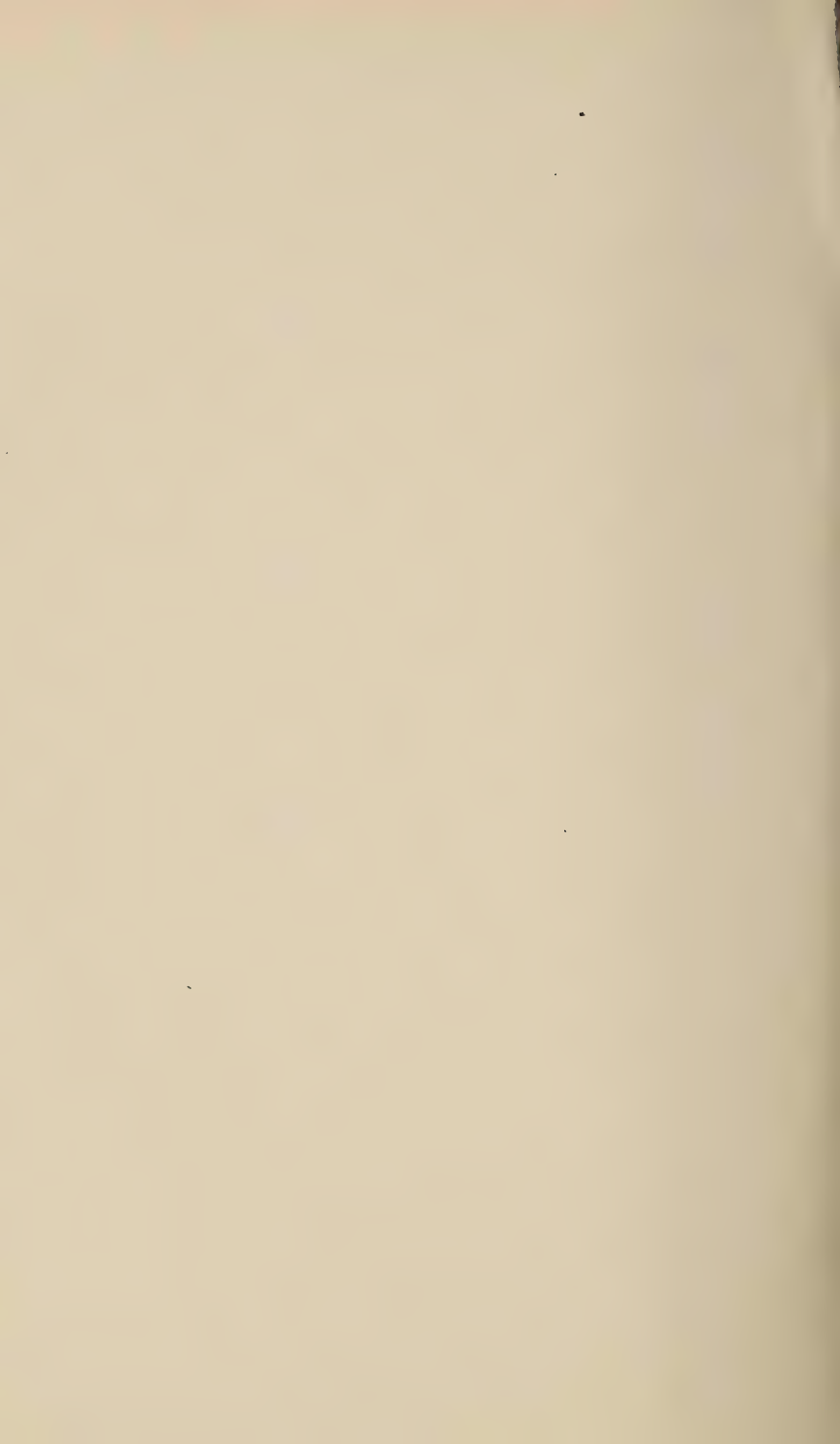
Vacation of Two Weeks

INDEX

- Absences, Regulations concerning, 90
- Academy, Colgate, 5, 46, 83, 109.
- Admission to Freshman Class, requirements for, 62-65; to Advanced Standing, 66; to Special Courses, 66; by Certificate, 67.
- Aid to Students, 80, 82.
- Alumni Hall, 74.
- Alumni Association, 110.
- Anglo-Saxon, Courses in, 25.
- Apparatus, 77.
- Art, Course in History of, 43.
- Astronomy, Courses in, 35.
- Athletic Field, 73; Association, 73.
- Bachelors' Degrees, 49-59.
- Baptist Historical Collection, 75, 76.
- Biblical Literature, Courses in, 20, 69.
- Board, 80.
- Botany, Course in, 39.
- Brooks Collection, 77.
- Buildings, 73.
- Calendar, 1894-5; 111; University, 112.
- Campus, 73.
- Chemistry, Courses in, 39, 69; for Admission, 65; Expense of Courses, 80; Prizes, 86, 108.
- Chemistry and Mineralogy, Department of, 39.
- Christianity, Course in Evidences of, 45.
- Colgate Academy, 5, 46, 83, 109.
- Colgate Library, 75.
- Colgate Library Building, 75.
- Colgate University, Historical Sketch, 5.
- Commencement Week, 1894, Program of, 103; Exercises of, 104;
- Committee, Executive, 8.
- Corporation of the University, 7; Officers of, 8.
- Courses of Study, 50; Special, 66.
- Debate, Course in, 32; Prizes, 87, 108.
- Declamation, Courses in, 31; Prizes, 83, 109.
- Degrees, 49, 90, 105, 106.
- Discipline, 89.
- Dodge Collection, 76.
- Douglass Herbarium, 77.
- East College, 73.
- Eaton Hall, 5.
- Education, Department of History, Theory, and Art of, 46; Courses in, 46-48, 71.
- Education Society, 5; Scholarships, 82.
- Elective Studies, 51, 90.
- Endowment, 79.
- English Literature, Department of 22; Courses in, 23, 69.
- Entrance Examinations, 66; Requirements, 62-67; Prizes 83, 109.
- Equipment, 73.
- Essays, 30; Prizes, 85, 108.
- Ethics, Courses in, 45.
- Examinations, 89, 90, 91; Entrance, 66; Term, 89; for Delinquents, 91.
- Executive Committee, 8.
- Expenses, 79.
- Extension, University, 68; Courses in, 69-72.
- Faculty, University, 9; College, 12.

- French, Courses in, 29, 70; for Admission, 64.
- Freshman Class, Admission to, 62-65; Students in, 98.
- Geology, and Natural History, Department of, 36.
- Geology, Courses in, 36, 71.
- German, Courses in, 27, 70; for Admission, 65.
- Graduate Work, 60-61.
- Graduates, Resident, 60-61; Non-resident, 60-61.
- Graduation, Requirements for, 49.
- Greek, Department of, 17; Courses in, 18, 69; for Admission, 64; Philosophy, Course in History of, 20; Prizes, 84, 108.
- Grounds and Buildings, 73.
- Gymnasium, 75.
- Hamilton Literary and Theological Institution, 5.
- Hamilton Theological Seminary, 5.
- Hebrew, Courses in, 21.
- Herbarium, 77.
- History, Department of, 42; Courses in, 42, 71; for Admission, 63-64; of Art, 43, 69; of Education, 47, 72; of English Literature, 22, 69; of Greek Philosophy, 20, 24; of Modern Philosophy, 45.
- Honors for 1894, 107-109.
- Junior Class, Students in, 94.
- Laboratory, Chemical, 74.
- Latin, Department of, 15; Courses in, 15; for Admission, 63; Prizes, 84, 109.
- Laurie Club, 48.
- Library, 75; Building, 75.
- Logic, Course in, 44.
- Madison University, 5; Grammar School of, 5.
- Masters' Degrees, 60.
- Mathematics, Department of, 32; Courses in, 32, 69; for Admission, 62-65; Prizes, 84, 109.
- Mineralogy, Courses in, 41.
- Ministerial Students, Aid to, 79, 82.
- Modern Languages, Department of, 27; Courses in, 27, 29, 20; for Admission, 64-65.
- Museums, 77, 78, 82.
- New Testament, Course in, 20.
- Officers of the University Corporation, 8.
- Orations, 31; Prizes, 86, 87, 88, 107.
- Palæontology, 37.
- Pedagogy, 46, 71.
- Phi Beta Kappa, 107.
- Philosophy, Department of, 44; Courses in, 44.
- Physical Culture, 73, 75.
- Physics, Courses in, 34.
- Physics and Astronomy, Department of, 34.
- Physiology and Hygiene, for Admission, 63.
- Political Economy, Department of, 43; Courses in, 43, 71.
- Post-Graduate Studies, 60-61.
- Press Club, 30, 75.
- Prizes, 83-88, 107-109.
- Psychology, Course in, 44.
- Public Speaking, Courses in, 31.
- Regulations, 89.
- Religious Societies, 82.
- Requirements for Admission, 62-67; for Graduation, 49.
- Resources and Aid, 79-82.
- Rhetoric, Courses in, 30; for Admission, 63.

- Rhetoric and Public Speaking,
 Department of, 30; Courses
 in, 30; Prizes, 83.
 Room rent, 80.
- Scholarships, 80.
- Semitic Languages and Literature
 Department of, 21; Courses in,
 21.
- Senior Class, Students in, 92.
- Societies, Religious, 82.
- Sophomore Class, Students in, 95.
- Special Courses, Admission to, 66;
 Certificate of Attainments in,
 67.
- Standing, How determined, 83.
- Students, 92.
- Tuition, 80.
- University, Colgate, Sketch of, 5;
 Grounds, opp. 52; Library,
 75 - 78; Corporation of, 7;
 Faculty of, 9-12; Calendar, 111.
- University Extension, 68. Courses
 in, 69-72.
- Views, opp. 73.
- Volunteer Band, 82.
- West College, opp. 73.
- Young Men's Christian Associa-
 tion, 82.
- Zoölogy, Courses in, 38.







UNIVERSITY OF ILLINOIS-URBANA



3 0112 111535149